NACA RESEARCH MEMORANDUM

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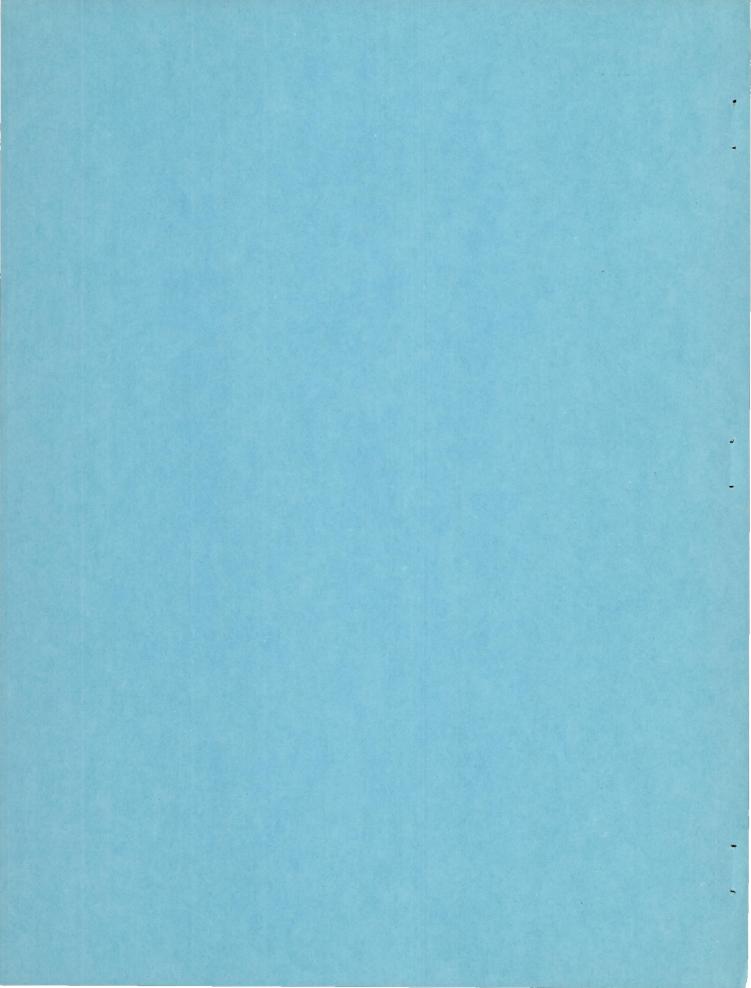
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NATIONAL ADVISORY COMMITTEE

WASHINGTON

March 12, 1956

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NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

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SPOILERS ON A FLAT PLATE AT MACH NUMBERS OF 1.61 AND 2.01

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SUMMARY

An investigation has been made at Mach numbers of 1.61 and 2.01 for a range of Reynolds numbers from 0.12×10^6 to 0.56×10^6 per inch to examine the flow, force, and moment characteristics associated with spoilers mounted on a flat plate at sweep angles from 0° to 75° . The three basic spoilers included two inclined 90° and one inclined 45° to the flat-plate surface on which they were mounted. Pressure measurements were obtained over the plate and spoiler faces. These pressures were then integrated to determine the spoiler lift, pitching-moment, drag, and hinge-moment characteristics.

For the unswept condition, the pressure distributions along the plate and on the spoiler faces and the force and moment characteristics of the spoilers could be correlated for a given Mach number on the basis of the height and location of the spoiler top. The three-dimensional behavior of the flow over the swept spoilers and the limited data available precluded the establishment of any simple method for extending the unswept-spoiler results to the swept case. Regions of reversal in lift effectiveness and large decreases in pitching moment were observed near the spoiler apex for the swept spoilers. The section drag and hinge moments of the spoiler decreased as distance from the apex of the swept spoilers increased. Within the ranges of the tests, varying the Reynolds number or fixing transition generally caused only small changes in pressures or integrated characteristics.

INTRODUCTION

Among the many devices for providing control of aircraft at supersonic speeds, one of the most promising from the standpoint of low wing twist and low hinge moments is the spoiler. At the present time, however, there is available only a limited amount of data on such configurations. Force tests have been made on several small-scale models (refs. 1 to 4)

to determine the effects of spoiler size and location on the effectiveness obtained on wings of various plan forms. Pressure-distribution tests have also been made (refs. 5 to 8) in order to better understand the flow phenomena involved.

The data available indicate that there may be large changes in the aerodynamic characteristics of spoilers due to changing the sweep angle with respect to the air stream. In an attempt to obtain a more fundamental insight into the flow field of a swept spoiler, pressuredistribution measurements have been made in the vicinity of and on several spoilers mounted on a flat plate. The tests were made on a flat plate rather than on a wing because fundamental correlations and theoretical analyses could be obtained more easily and it circumvents the complex flow field of an actual wing with its chordwise pressure gradients and spanwise boundary-layer flows. It should be mentioned that this is a basic first step and the application of the results to actual wing spoiler installations will require further study. In the present report, the effect of sweeping spoilers through an angle range from 0° to 75° in a uniform flow field having a turbulent boundary layer at Mach numbers of 1.61 and 2.01 has been studied. In addition to the effects of sweep and Mach number, the effects of spoiler height, inclination, and span were investigated as were the effects of fixing transition, simulated actuating arms, and an endplate. The Reynolds number range was from 0.12×10^6 to 0.56×10^6 per inch and the maximum spoiler height was 0.896 inch. Some preliminary results of these data were reported in reference 9.

SYMBOLS

M	stream Mach number
β	$\sqrt{M^2-1}$
R	Reynolds number per inch
q	stream dynamic pressure
p	stream static pressure
pl	local surface pressure
$C_{\mathbf{p}}$	pressure coefficient, $\frac{p_l - p}{q}$

х	streamwise distance from base of spoiler front face along given orifice row
У	distance from upstream tip of spoiler along spoiler
Z	perpendicular distance from bypass plate
h	spoiler height (distance from base to top of spoiler measured perpendicular to the bypass plate; see fig. 1)
cs	spoiler chord (distance from base to top of spoiler measured along spoiler face; see fig. 1)
С	hypothetical wing chord determined by length of orifice row
δ	spoiler deflection angle (angular displacement of spoiler about base with respect to bypass plate; see fig. 1)
Λ	spoiler sweep angle (angular displacement of spoiler parallel to bypass plate, with respect to a plane perpendicular to the stream; see fig. 1)
7	section lift produced by spoiler over the distance c
m	section pitching moment of l about spoiler base
d	section drag of spoiler (streamwise)
h'	section hinge moment of spoiler about spoiler base
cl	section lift coefficient, $\frac{l}{qh}$
c _m	section pitching-moment coefficient, $\frac{m}{qh^2}$
c _d	section drag coefficient, $\frac{d}{qh}$
c _h	section hinge-moment coefficient, h'qcs2
c _l '	section lift coefficient, $\frac{l}{qc}$
c _m '	section pitching-moment coefficient, $\frac{m}{qc^2}$

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APPARATUS

Wind Tunnel

This investigation was conducted in the Langley 4- by 4-foot supersonic pressure tunnel which is a rectangular, closed-throat, single-return type of wind tunnel with provisions for the control of the pressure, temperature, and humidity of the enclosed air. Flexible nozzle walls were adjusted to give the desired test-section Mach numbers of 1.61 and 2.01. During the tests, the dewpoint was kept below -20° F so that the effects of water condensation in the supersonic nozzle were negligible.

Model and Model Mounting

The models used in this investigation consisted of several spoilers mounted on a boundary-layer bypass plate as shown in figure 1. The three basic spoilers are shown as configurations 2, 3, and 4 in figure 2. (Configuration 1 is not shown, since by test nomenclature it was the no-spoiler condition.) As modifications were made to the basic models, they were assigned the subsequent configuration numbers 5 through 9 as shown in figure 2. Each spoiler was constructed of steel with the pressure-tube installations made in grooves in the surfaces which were faired over with a transparent plastic material. The 22 spoiler orifices were located at two stations along the span on the front and rear faces of the spoiler as described in the table of figure 2.

The turntable on which the spoilers were mounted was installed flush with the boundary-layer bypass plate as shown in the photographs of figure 3. This turntable was instrumented with 265 pressure orifices located in seven rows as described in figure 2 and tables 1 through 22. The numbering system used to identify the six rows passing through station 1 was chosen to immediately identify the angle of the row with respect to the stream. Thus, the first digit of the angular displacement of each row from the basic row 0 identifies the row. For $\Lambda = 0^{\circ}$, then, row 0 is parallel to the stream, for $\Lambda = 15^{\circ}$, row 1 is parallel to the stream, for $\Lambda = 30^{\circ}$, row 3 is parallel to the stream, etc. Note that row 9 is a shorter row parallel to row 0 but passing through station 2. There were no pressure orifices on either the endplate or the actuating arms.

TESTS

The model sweep angle was varied by rotating the turntable in the bypass plate and was measured by a vernier on the outside of the tunnel. The pressure distributions were determined from photographs of the multiple-tube manometer boards to which the pressure leads from the

spoiler and turntable orifices were connected. The reduction of the data to pressure-coefficient form and the integration of the pressure distributions along the plate by a step integration procedure were performed by IBM equipment. The integration of the pressure distributions over the spoiler faces was performed with mechanical integrators.

The majority of the tests were made at sweep angles from 0° to 75° in intervals of 15° so that a row of tubes on the plate was always alined with the stream. Configuration 5 was tested at $\Lambda = 45^{\circ}$ only and configuration 8 was tested at both positive and negative sweep angles. Most of the tests were made at tunnel stagnation pressures of 13 and 15 pounds per square inch at Mach numbers of 1.61 and 2.01, respectively, corresponding to a Reynolds number of 0.30 \times 10° per inch. Additional tests were made on some configurations in which the stagnation pressure was varied. The maximum Reynolds number range covered was from $0.14 \times 10^{\circ}$ to $0.56 \times 10^{\circ}$ per inch at M = 1.61 and from $0.12 \times 10^{\circ}$ to $0.30 \times 10^{\circ}$ per inch at M = 2.01. All of the tests except those of configuration 6 were made under conditions of fixed transition using a 1/4-inch strip of No. 60 carborundum attached to the boundary-layer bypass plate 1 inch from its leading edge. (See fig. 1.)

PRECISION

The mean Mach numbers in the region occupied by the model are estimated from calibrations to be 1.61 and 2.01 with local variations being smaller than ± 0.02 . There is no evidence of any significant flow angularities. The estimated accuracy in setting the spoiler sweep angle is $\pm 0.05^{\circ}$. The basic measured quantity C_p is believed accurate to ± 0.01 .

RESULTS

The complete pressure-distribution results of this investigation are presented in tables 1 to 22. The analysis of the data and presentation of the figures is made in four sections: first, the pressures measured on the turntable (figs. 4 to 14); second, the pressures measured on the spoiler faces (figs. 15 to 24); third, the integrations of the turntable pressures along streamwise rows to determine section lift and pitching moments caused by the spoilers (figs. 25 to 29); and fourth, the integrations of the spoiler-face pressures to determine the spoiler drag and hinge moments (figs. 30 to 34).

DISCUSSION

Plate Pressures

Effect of sweep. The basic data from the plate pressures, measured by use of the turntable orifices, are presented in figure 4 in the form of streamwise pressure distributions at station 1 through the sweep-angle range from 0° to 75° . At $\Lambda=0^{\circ}$, the pressure distributions show the same general shapes as were shown in the tests of reference 7. In order to surmount the spoiler, the flow must be deflected from the plate surface some distance ahead of the spoiler causing a shock and the associated rapid pressure rise. The pressure then remains relatively constant until a point is reached just forward of the spoiler base, where a second pressure increase occurs due to stagnation of the circulatory flow in the wedge-shaped separated-flow region ahead of the spoiler. A rapid expansion to a negative pressure coefficient occurs at the top of the spoiler, followed by a gradual compression back to stream pressure some distance downstream of the spoiler.

When the spoiler is swept with respect to the stream, the flat portion of the pressure distribution ahead of the spoiler between the two compression regions is gradually replaced by a region of accelerated flow. This is in agreement with the data of reference 6, which considered only the distributions ahead of the spoiler. The mechanics of the flow causing this acceleration is not fully understood, but is believed to be caused by the three-dimensional nature of the flow for the swept condition. As was previously described in reference 9, the flow not only must be deflected by a shock from the surface to surmount the spoiler height, but also must be turned along the plate surface by a new shock; thus allowing the flow to move parallel to the face of the spoiler. The first of the two shocks would tend to remain close to and parallel to the spoiler: whereas the second shock would tend to assume the position of a detached shock wave about the apex of the spoiler with the shock angle decreasing along the span to the Mach angle at an infinite distance. The interaction of the two shocks, then, determines the location and strength of the first compression on the pressure distributions. At some distance from the apex the two shocks tend to separate and a region of accelerated flow appears between them. This acceleration may be due to the relieving effect of the flow passing over the spoiler similar to the relieving effect experienced within the Mach cone near a wing tip. (Consider the bypass plate as a reflection plane and the spoiler as a low-aspect-ratio wing at a very high angle of attack.)

Downstream of the spoiler, the pressure distribution tends to change from a triangular to a rectangular loading as the sweep is increased. At the largest sweep angle of 75°, which is probably a more academic

than practical condition, the pressure distribution downstream of the spoiler becomes erratic and the loading is generally very small.

In order to investigate in more detail the changes in the flow field with changes in sweep angle, configuration 8 was tested at positive and negative sweep angles. By superimposing the contour plots obtained from all the pressures measured on the plate at reversed angular conditions, the contour plots of figure 5 were obtained and show much more of the field than would the two-quadrant coverage at the positive angles alone.

At $\Lambda = 0^{\circ}$, figure 5(a) shows the symmetry of the flow and the relieving effect of the spoiler tips. Over the largest portion of the spoiler span the flow is essentially two-dimensional. When the spoiler is swept, the remainder of figure 5 shows the development of the threedimensional flow field over the entire spoiler span. The upstream influence of the spoiler generates a pressure field which assumes the shape of a detached shock about the spoiler apex. The largest accelerations ahead of the spoiler occur in a region approximately parallel to the spoiler and the largest compressions just ahead of the spoiler occur near the apex. Behind the spoiler, the expansion from the apex becomes evident at the higher sweep angles ($\Lambda = 45^{\circ}$) and the shape of the isobars indicates the presence of vortices in the approximate direction of the stream. Since the spoiler can be considered to be a very low-aspectratio wing, the formation of tip vortices due to the pressure differential across the spoiler would confirm these indications. At $\Lambda = 75^{\circ}$, it was impossible to obtain contours downstream of the spoiler due to asymmetries in the spoiler support (see fig. 1) which caused asymmetries in the pressure contours at $\Lambda = \pm 75^{\circ}$.

From the previous discussion of the three-dimensional character of the flow over a swept spoiler, it becomes obvious that a complete analysis of the effects of sweep on a spoiler would be incomplete without pressure surveys over the complete span of the spoiler. Figure 6(a) shows the systematic changes in the pressure distributions as two successive portions of the tip of configuration 2 were removed - the pressure-distribution station therefore approaching more closely the spoiler apex. Figure 6(b) shows similarly the effect of 0° , 30° , and 60° of sweep on the pressure distributions measured in the streamwise direction at five different distances from the spoiler apex in terms of the spoiler height. At the closest station to the apex (y/h = 4.3), $\Lambda = 60^{\circ}$ has the least forward effect; whereas at the furthermost station from the apex (y/h = 11.7), $\Lambda = 60^{\circ}$ has the most forward effect. The change takes place in a gradual and consistent manner as y/h increases.

Effect of spoiler height. The effects on the pressure distributions of decreasing the spoiler height from 0.896 inch for configuration 2 to 0.586 inch for configuration 3 are shown in figure 7. The abscissa

is the distance in spoiler heights and the pressure distributions at $\Lambda=0^{\circ}$ show excellent correlations on this basis. At the sweep angles considerable differences become evident; however, these are probably due primarily to the difference in location of the pressure station from the spoiler apex in terms of the height. Thus, the pressure distributions for configuration 3 are affected by the initial compression further forward because the measuring station for configuration 3 is further outboard from the apex, in spoiler heights.

Effect of spoiler deflection angle. The effect on the pressure distributions of decreasing the spoiler deflection angle from 90° for configuration 2 to 45° for configuration 4 is shown in figure 8. In this figure the abscissa has been chosen as the distance from the top of the spoiler in heights because it was anticipated that the position of the top of the spoiler would dictate the pressure distribution along the plate. That this was the case can be seen from the good correlation obtained for the unswept spoiler condition. At sweep angles the differences obtained are again due to varying distances from the spoiler apex in heights and are therefore inconclusive in considering the effect of deflection angle.

If the practical applications of configurations 2 and 4 as a hinged spoiler are considered, it is of interest to plot the pressure distributions in terms of some given wing chord as has been done in figure 9. The comparison then shows the pressure distributions on a fictitious flat-plate wing having a flap-type spoiler deflected to 90° and 45°. Ahead of the spoiler the half-deflected spoiler carries about 60 percent of the load of the fully deflected one. Behind the spoiler there is little change in the pressure distribution due to increasing the spoiler deflection from 45° to 90°. It should be mentioned that the 45° spoiler is carrying some lifting load on the spoiler itself, which is not accounted for here.

Effect of simulated actuator arms. - Although the choice of location and shape of the simulated actuator arms is completely arbitrary, they should be satisfactory for investigating the effect of such protuberances from the front face of the spoiler. In figure 10, comparison is made between the pressure distributions obtained on configuration 3 (without actuator arms) and those obtained on configuration 9 (with actuator arms). At $\Lambda = 0^{\circ}$ and 15° , where little spanwise flow is present, no effect of the actuator arms is evident. As the sweep is increased, the effect of the arms increases until at 750 a very sharp compression region occurs, followed by a very sharp expansion region, some distance ahead of the spoiler along the orifice row. Here again the inherent weakness of the test technique involving a measurement at only one spanwise station is evident. At the larger sweep angles, the rows of orifices being used are closer to the actuating arm and, therefore, the sudden variations may be present in only a localized area near each actuator arm due to the interruption of the spanwise flow.

Effect of Mach number. - Although the Mach number range of these tests was limited, it is of interest to consider the effect of Mach number and the predictability of that effect. Figure 11 shows for three sweep angles a comparison of the streamwise-pressure distributions on configuration 2 at the two test Mach numbers. In addition, the similar variations are shown for the normalized pressure distributions using

the $\beta=\sqrt{\text{M}^2}$ - l relationship. The basic pressure distributions show generally decreased loadings due to increasing Mach number, as would be expected, except near the spoiler at $\Lambda=60^{\circ}$. The β relationship, shown to be effective in predicting pressure distributions on flap-type controls in reference 10, failed to correlate the pressures measured ahead of the spoiler, but did fairly well in correlating the pressures measured downstream of the spoiler. This result is not unexpected. The flow behind the spoiler is similar to the flow at the base of a body or behind the thick trailing edge of a wing for which the base pressure is well known

to vary approximately as $1/\sqrt{M^2}$ - 1. (For example, see ref. 11.) The pressures in front of the spoiler are dependent upon pressure rise required to separate a turbulent boundary layer. No theory for calculating the general pressure distribution is available, but the variation of the first pressure rise with Mach number at zero sweep is in good agreement with the theoretical predictions of reference 12 and the experimental results of references 7 and 13.

Effect of Reynolds number. The effect on the pressure distributions of increasing the Reynolds number from 0.14×10^6 to 0.56×10^6 per inch is shown in figure 12. The only appreciable effect of Reynolds number appears to be in the region of the first compression. This is the most inaccurate portion of the pressure distribution due to the rapid changes in pressure and fewer number of orifices.

Effect of fixing transition. The pressure distributions showing the effects of fixing transition at $R = 0.30 \times 10^6$ and 0.14×10^6 are shown in figure 13. The results at $R = 0.30 \times 10^6$ show no effect throughout the sweep-angle range. At $R = 0.14 \times 10^6$, preliminary investigation of the data indicated some effect at station 1 and a greater effect at station 2. Since the streamwise rows are not available at station 2, for figure 13(b), the effect of fixing transition has been shown along the rows perpendicular to the spoiler at the two stations for sweep angles of 0° , 30° , and 60° . Indications are that in the natural transition case the flow at this low Reynolds number has not become fully turbulent when the region of influence of the spoiler is first reached. The reason for the effect being greater at station 2 probably results from the shorter run along the bypass plate from the leading edge due to the leading-edge sweepback. By the time $\Lambda = 60^{\circ}$ is reached, the effect of fixing transition has disappeared.

Effect of the endplate. The basic streamwise pressure distribution at station 1 for configuration 5, which used the same spoiler as configuration 2 with the addition of the endplate, is shown in figure 14 compared with configuration 2. The changes due to the endplate are small and it would therefore appear that the flow at this station is little influenced by a fuselage-type endplate alined with the stream. Inspection of the pressure contours indicates that there are only small changes ahead of the spoiler across the span due to installation of the endplate.

Spoiler Pressures

Effect of sweep. - The basic data from the spoiler pressures, measured by use of the spoiler-face orifices, are presented in figure 15 in the form of pressure distributions, from bottom to top of the spoiler, through the sweep-angle range from 0° to 75°. For the unswept condition there is very little difference between the pressure distributions measured at station 1 and those measured at station 2. All of the configurations, except configuration 4, were perpendicular to the plate and exhibit similar distributions. The pressures are generally constant over the rear face; however, the pressures over the front face indicate stagnation regions near the bottom and top of the spoiler such as were described in reference 13. These are attributed to the circulatory flow in the separated region ahead of the spoiler. On configuration 4, which is deflected only 450 to the plate, the distribution on the front face is considerably different, there being no stagnation point near the bottom, the largest pressure occurring at about 80 percent of the height and being followed by an acceleration. Consideration of the shape of the circulatory flow region for this configuration indicates that the shallow angle through which the reversed flow must turn at the base mitigates the pressure increase previously noted for the 90° spoiler. Near the top of the 45° spoiler, in contrast, the flow must reverse through an angle approaching 1800, which it apparently finds impossible to negotiate and therefore loses some of the circulating air over the top of the spoiler.

As the spoiler is swept, the loadings on both surfaces of the spoiler tend to decrease, but in a manner other than linear. The stagnation areas at the top and bottom of the 90° spoiler front faces gradually disappear until at $\Lambda = 60^{\circ}$ and 75° the distributions along the front faces of the 90° and 45° deflected spoilers are identical. For many of the swept conditions there are large differences in the distributions at the two spanwise stations, both on the rear and front faces. As would be expected from the previous discussion of the pressures on the plate, the spoiler face pressures are directly controlled by the angle of sweep and proximity to the spoiler apex. It should be noted that a good approximation of the average loads on the spoiler can be obtained by assuming the plate pressures ahead of and behind the spoiler to apply uniformly over the adjacent spoiler faces. This has been shown previously in references 14 and 9.

In order to consider in more detail the spanwise variations in spoiler face pressures, the front-face pressure-coefficient contours and variations across the span of the pressure coefficient at constant z/h have been presented in figure 16. These plots were obtained by superimposing the pressures measured on configurations 2, 7, and 8, which gave a total of 6 spanwise locations of a spoiler orifice station with respect to the spoiler apex. The contour plots of figure 16(a) show the two-dimensionality of the flow over the unswept spoiler and the large spanwise variations for the swept conditions. The most pronounced change occurs between the sweep angles of 45° and 60° where the stagnation regions disappear and the acceleration near the top appears. The contour plots for the rear face are not presented because of the small pressure changes involved which make the contours more inaccurate. The variations across the span of the pressures at the bottom, middle, and top of the spoiler faces, presented in figure 16(b), show that for sweep angles from 30° through 60° the loadings near the apex of the spoiler are much greater than those further from the apex. This is the same effect as has been previously demonstrated transonically by the tests of reference 12. At a sweep angle of 75°, the pressures over the rear face are so erratic that it is impossible to fair curves through the points. The dissimilarity of the variations measured at the two stations indicates that at this large sweep angle the differences in the spoiler support are responsible for these changes.

In figure 6, the systematic variations of the streamwise pressure distribution due to removal of portions of the tip of the spoiler, equivalent to movement along the span, were shown. Similarly, in figure 17, cutting off the tip of the spoiler at sweep angles from 30° through 60° causes gradual increases in the spoiler loadings on both surfaces and moving along the span from y/h = 4.3 to y/h = 11.3 causes a systematic change in the variation of the spoiler-face pressure distributions with sweep angle.

Effect of spoiler height. The effect of spoiler height on the spoiler-face pressure distributions is shown by figure 18 to be negligible at 0° sweep but considerable at many sweep angles. The reduced loading for the smallest swept spoiler is probably a result of the larger distance in heights of the measuring station from the apex. The decrease in spoiler loading as distance from the apex increases has been previously discussed. It therefore appears that, for a given span swept spoiler, the shorter the spoiler height, the smaller will be the span affected by the apex.

Effect of spoiler deflection angle. The effect of spoiler deflection angle, δ , on the spoiler-face pressure distributions has already been discussed in some detail. A direct comparison is shown, however, in figure 19. For sweep angles from 00 to 450 the average loadings for the two configurations are very similar although the variations over the

front face are different due to the differences in circulation described previously. At $\Lambda=60^{\circ}$ and 75° , the variations over the faces are similar, but now the loadings on the $\delta=45^{\circ}$ spoiler tend to decrease due to the greater distance of the measuring station from the apex, in actual spoiler heights.

Effect of simulated actuator arms. The effect of the simulated actuator arms on the spoiler-face pressure distribution is shown in figure 20. At $\Lambda=0^{\circ}$ and 15° , there is little effect, as would be expected, because of the small cross flows present for these angles. At larger sweep angles, the actuator arms may be considered as secondary spoilers, presenting obstructions to the spanwise flow along the front spoiler face. As a result, the face pressures at station 1, which is $1\frac{1}{4}$ inches ahead of an actuator arm, are increased.

Effect of Mach number. The effect on the spoiler-face pressure distributions of increasing the Mach number from 1.61 to 2.01 is shown in figure 21. The effects are similar to those previously shown for the plate pressures. The loadings on both spoiler faces decrease with increasing Mach number except for the front face at $\Lambda = 60^{\circ}$. The correlation of the pressure distributions with the β relationship is excellent on the rear face but poor on the front face.

Effect of Reynolds number. The effect on the spoiler-face pressure distributions of increasing the Reynolds number from 0.14 \times 10⁶ to 0.56 \times 10⁶ per inch is shown in figure 22. The localized variation with Reynolds number of the pressures near the top of the front face at $\Lambda = 30^{\circ}$ could have been caused by malfunction of one pressure orifice and is therefore questionable. In general, the variations due to Reynolds number are small and within the repeatability of the test results.

Effect of fixing transition. The effect of fixing transition on the spoiler-face pressure distributions is shown in figure 23. At $R = 0.30 \times 10^6$ (fig. 23(a)), the effect is negligible. At $R = 0.14 \times 10^6$ (fig. 23(b)), there is some change due to fixing transition on the front-face pressures at $\Lambda = 0^\circ$ and 30°. The greatest effect is found at station 2 and is believed to be caused by the failure of the boundary layer to become fully turbulent for the natural transition case at this low Reynolds number, as has been previously discussed.

Effect of the endplate. The basic spoiler-face pressure distributions for configuration 5 are shown in figure 24 compared with the pressure distributions for configuration 2. The largest differences are shown on the front face at station 1 and on the rear face at station 2. Here again the lack of sufficient spanwise-measuring stations prevents a detailed analysis and an understanding of the effect of the endplate on the flow field of the spoiler.

Plate Spoiler Lift and Pitching Moments

Effect of sweep. The basic lift and pitching-moment coefficients, determined from integration of the streamwise plate-pressure distributions, and including the contributions of the load on the spoiler, are presented in figures 25 and 26, respectively. It should be remembered that, for the largest sweep angles tested, the integrations do not give the total lift and pitching moment developed by the spoiler because the pressure orifices did not extend far enough to cover the complete region affected. Also, the integrated characteristics were obtained for streamwise rows through station l only; therefore, for a given configuration, they will not necessarily be representative of the characteristics at other stations. Despite these limitations, the changes with sweep and other test conditions will be of interest.

When a spoiler is deflected on the upper surface of the wing, as, it is assumed, are the spoilers in these tests, a negative lift is desired. For the unswept conditions, the total lift for all the configurations tested here is negative, despite the positive lift caused by the pressures downstream of the spoiler. When the spoilers are swept, the gradual decrease in negative lift ahead of the spoiler and the oftentimes abrupt increase in positive lift behind the spoiler near $\Lambda = 45^{\circ}$ causes the total lift to become positive near $\Lambda = 45^{\circ}$. Above $\Lambda = 60^{\circ}$ the positive lift behind the spoiler decreases rapidly; however, the negative lift ahead of the spoiler has been almost eliminated so that the total lift approaches zero. Note that, for the $\delta = 45^{\circ}$ spoiler (configuration 4), much of the negative lift is carried by the spoiler itself.

Because of the strong positive lift experienced behind the spoiler, the most efficient location on a wing for a negative lift-producing spoiler is at the trailing edge. The advantage of trailing-edge spoilers for lift or roll control has long been recognized and has been discussed in references 1, 2, 3, 5, and 6.

The pitching-moment coefficients of figure 26 have been computed about the spoiler base; therefore, the loadings ahead of and behind the spoiler cause negative pitching moments, resulting in a negative total pitching-moment coefficient throughout the sweep-angle range. For most of the configurations, the pitching-moment contribution of the loading ahead of the spoiler shows gradual and small changes with increasing sweep. This is apparently due to the counterbalancing effects of the decreasing lift with the forward movement of the center of pressure of that lift. The pitching-moment contribution of the loading behind the spoiler shows a very rapid increase due to both the increasing lift and the rearward movement of the center of pressure of that lift. The pitching-moment contribution due to the loading on the spoiler is always positive and small. As a result of these variations of the loading

components, the total pitching-moment coefficient generally increased negatively with increasing sweep angle to a peak near $\Lambda=60^{\circ}$ and then decreased rapidly toward zero.

Now to examine by direct comparison the effect of configuration and test-condition changes on the integrated coefficients, the lift-and pitching-moment coefficient variations with sweep angle showing most of the effects being considered are shown in figure 27. The effect of the proximity of the apex to the measuring station is demonstrated by superimposing the curves for configurations 2, 7, and 8. As the spoiler tip is cut off, the distance from the station to the apex decreases. At low sweep angles, the negative lift decreases with decreasing distance from the apex. It therefore appears that, in regions near the apex of, say, a 45° swept spoiler, regions of reversed lift effectiveness may be encountered. Such regions of reversal can be seen in the span load distributions of reference 14. The importance of reversed lift in this region will depend to a great extent on the spoiler height-span ratio.

The effect on the pitching moment of removing portions of the tip is considerably greater than that on the lift (fig. 27(b)). Closer to the apex, the negative moments are decreased considerably and the hump in the moment variation with Λ at large sweep angles is eliminated.

Effect of fixing transition. The comparison of the lift- and pitching-moment coefficient variations with sweep angle for configurations 2 and 6 (fig. 27) shows that the effect of fixing transition at this Reynolds number is negligible.

Effect of spoiler height .- The comparison of the lift- and pitchingmoment-coefficient variations with sweep angle for configurations 2 and 3 shows small changes in the lift but large changes in pitching moment due to decreasing the spoiler height. The similarity of the lift curves is somewhat surprising considering the relative distances, in heights, from the apex to the measuring station for the two configurations. It may be that for the swept conditions the reduced pressures ahead of the spoiler, as spanwise distance from the apex increases, are balanced by the increase in streamwise distance over which the pressures occur so that the integrated lift shows little change. The large moment effect is caused by the relative location of the initial compression to the spoilers and the relative extent of the orifice row downstream in terms of their spoiler heights (see fig. 7). For the two spoilers, the location of the initial disturbance in the swept condition is at approximately the same place on the plate which makes it much further forward of the small spoiler, in heights.

Effect of spoiler deflection angle. In order to show the effect of deflection angle, δ , on the lift and pitching moments, configurations 3

and 4 have been compared (fig. 27) because the heights are more nearly equal than those of configurations 2 and 4. The lift produced by configuration 3 is somewhat more negative than that of configuration 4 over most of the sweep-angle range. The pitching-moment coefficients show considerable effect of deflection angle since it was previously shown that the location of the spoiler top determined the pressure distribution.

In order to consider the practical application of a flap-type spoiler on a hypothetical wing, figure 28 presents the total lift and pitching-moment coefficients, based on a given wing chord for configurations 2 and 4 for which $\delta = 90^{\circ}$ and 45° , respectively. This comparison then shows the change in lift and pitching moment caused on a given wing by a flap-type spoiler deflected from 45° to 90° . At all sweep angles, the lift and pitching moment is increased by increasing δ from 45° to 90° . At sweep angles below 30° , the $\delta = 45^{\circ}$ spoiler produces more than half the negative lift that the $\delta = 90^{\circ}$ spoiler produces. At sweep angles over 15° , the $\delta = 45^{\circ}$ spoiler produces, and at $\Delta = 60^{\circ}$ it produces 80 percent as much moment. At small sweep angles, therefore, the half-deflected spoiler is a more efficient lift producer and at large sweep angles the half-deflected spoiler produces greater pitching moment per degree deflection angle.

Effect of actuator arms. The effect on the integrated characteristics of the actuator arms (fig. 27) is to decrease the lift at sweep angles up to 40° and to increase the lift at higher angles; whereas the pitching moment is generally increased at sweep angles up to 55° and decreased at higher angles. These characteristics are probably true only at this station and similar stations with respect to the actuator arms and, therefore, are not indicative of the integrated effect across the span of such actuators.

Effect of Mach number. - Comparison of the lift and pitching moment for configuration 2 at the two test Mach numbers (fig. 27) indicates small changes in lift and fairly large decreases in pitching moment due to increasing the Mach number. At low sweep angles the lift is greatest at M = 1.61; whereas at large sweep angles, the lift is greatest at M = 2.01. These changes in lift and pitching moment are a direct result of the manner in which the loadings decreased due to increasing Mach number. (See fig. 11.)

Effect of the endplate. The changes in lift and pitching moment at station 1 due to addition of the endplate at the spoiler apex are shown by figures 25 and 26 to be negligible.

Effect of Reynolds number. The effect of Reynolds number on the lift and pitching-moment coefficients is shown in figure 29. There is no significant effect.

16

Spoiler Drag and Hinge Moments

Effect of sweep. The basic drag and hinge-moment coefficients, determined from integration of the spoiler-face pressure distributions, are presented in figures 30 and 31, respectively. Unless specifically stated by y/h values or station number, the data presented in this entire drag and hinge-moment section were obtained at station 1.

In general, the total drag-coefficient variation with sweep angle (fig. 30) is very similar to that of the drag due to the pressures on the front face of the spoiler. For these curves the drag decreases with increasing sweep to values near zero at $\Lambda=75^{\circ}$; however, the curves are at times erratic. The drag due to the rear face pressures, on the other hand, decreases very smoothly through the sweep-angle range. The front-face loading produces a greater proportion of the drag than does the rear-face loading except at some of the largest sweep angles.

The total hinge-moment-coefficient variation with sweep angle (fig. 31) also follows the trend of the hinge-moment coefficient due to the front face pressures, in general decreasing with increasing sweep, but reversing this trend over certain sweep-angle ranges on some configurations. The variation of hinge-moment coefficient with sweep angle for configuration 8 had the greatest changes. The hinge moment due to the rear-face pressure remained fairly constant over most of the sweep-angle range, decreasing at the highest values of Λ . The front-face loading produces a greater proportion of the hinge moment than does the rear-face loading except at some of the largest sweep angles.

To examine more closely the effect of configuration and test-condition changes on the drag and hinge moments, direct comparisons showing most of the effects investigated are presented in figure 32. The comparison of the drag and hinge moments for configurations 2, 7, and 8 shows that at $\Lambda=0^{\circ}$ and 75° there is little change due to decreasing the distance from the apex. At the intermediate sweep angles, the drag and hinge moments become much greater as the distance from the apex is decreased. At $\Lambda=45^{\circ}$, the hinge moment measured on configuration 8 is even greater than that measured at $\Lambda=0^{\circ}$.

The decreasing load on the swept spoiler outboard from the apex is in agreement with the variation of the spoiler section-load parameter on the 45° swept wing of reference 14. It must be remembered, of course, that the tests of reference 14 were made on a tapered wing, and the spoiler projection was based on the local chord so that part of the decrease shown is due to the change in spoiler height along the span.

Since in the present tests two stations of pressures were available on each configuration, by using the integrated results at both stations on configurations 2, 7, and 8, it is possible to show the drag and hingemoment variations over a fairly large range of distances from the apex, as shown in figure 33. It appears from these curves that the greatest variations across the span occur for a sweep angle near 45° . It is interesting to note that this is near the angle at which the spoiler becomes parallel to the Mach line ($\Lambda = 52^{\circ}$) at this Mach number. The greatest changes with sweep are found at the smallest values of y/h, or nearest the apex. The peaks of the hinge-moment curves due to the effect of the apex occur at higher values of Λ than do the peaks of the drag curves.

Effect of fixing transition. The comparison of the drag- and hingemoment coefficient variations with sweep angle for configurations 2 and 6 (fig. 32) shows that the effect of fixing transition at this Reynolds number is negligible, as would be expected from the previous discussions.

Effect of spoiler height. The drag- and hinge-moment-coefficient comparisons (fig. 32) show that at $\Lambda = 0^{\circ}$ the effect of decreasing the spoiler height is to decrease both the drag and hinge-moment coefficients. When the spoiler is swept, the comparison of configurations 2 and 3 does not show the effect of height alone, due to the differences in distance from the apex in terms of the spoiler height. The comparison of the curves shows a continuation of the trend previously shown due to increasing y/h. (See fig. 33.)

Effect of spoiler deflection angle. Increasing the spoiler deflection angle from 45° to 90° causes little change in the drag and hinge moment at sweep angles less than 30°. As the spoiler sweep angle is increased above 30°, the drag- and hinge-moment coefficients for configuration 4 are first larger and then smaller than those for configuration 5.

Effect of actuator arms. The actuator arms have no effect on the drag and hinge moments measured at this station at $\Lambda=0^{\circ}$ and 15°, as shown by the comparison of configurations 3 and 9 (fig. 32). At higher sweep angles, the actuator arms increase both the drag and hinge moments. As pointed out in previous discussions, this may be a localized effect.

Effect of Mach number. The drag- and hinge-moment coefficient variations with sweep angle of configuration 2 at the two test Mach numbers (fig. 32) show the same general shapes. The differences due to Mach number are greatest at $\Lambda = 0^{\circ}$ and gradually decrease with increasing Λ . At the largest sweep angles investigated there is very little change due to Mach number.

Effect of the end plate. The addition of the end plate at the spoiler apex is shown by figures 30 and 31 to cause increases in both

drag and hinge moment, primarily due to the change in pressures on the front face at this station. (See fig. 24.)

Effect of Reynolds number. The changes in drag and hinge moment with increasing Reynolds number are illustrated in figure 34. For most of the angular conditions, no effect of Reynolds number is evident; however, at the smallest sweep angles, there is a definite trend showing some small increases with increasing Reynolds number.

CONCLUSIONS

An investigation has been made at Mach numbers of 1.61 and 2.01 to examine the flow, force, and moment characteristics associated with spoilers mounted on a flat plate at sweep angles from 0° to 75° . The results of the tests indicate the following conclusions:

- 1. For the unswept condition, the pressure distributions along the plate and on the spoiler faces, and the force and moment characteristics of the spoilers could be correlated for a given Mach number on the basis of the height and location of the spoiler top.
- 2. The three-dimensional behavior of the flow over the swept spoilers and the limited data available precluded the establishment of any simple method for extending the unswept-spoiler results to the swept case.
- 3. Regions of reversal in lift effectiveness and large decreases in pitching moment were observed near the spoiler apex for the swept spoilers.
- 4. The section drag and hinge moments of the spoiler decreased as distance from the apex of the swept spoilers increased.
- 5. The simulated actuator arms caused localized changes in the flow over the swept spoilers.
- 6. The simple $\sqrt{M^2}$ 1 relationship, where M is the Mach number, was successful in predicting the effects of Mach number only on the pressures downstream of the spoiler.

7. Within the ranges of the tests, varying the Reynolds number from 0.12×10^6 to 0.56×10^6 per inch, or fixing transition generally caused only small changes in pressures or integrated characteristics.

Langley Aeronautical Laboratory,
National Advisory Committee for Aeronautics,
Langley Field, Va., November 25, 1955.

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Table 01 Plate and Spoiler Pressure Coefficients Configuration 2 M= 1.61 R= 0.14 $\times 10^6$

				Plate				Spoiler	
x,in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	00°				
-6.000	.008	004	007			241			
-5.500	•008	•004	•027 •068	• 276	•389 •397	•361 •359		1 2 :	495
-5.000	•,012	•070	•338	•373	•403	.357			433
-4.500	*276	•330	•396	*402	.405	•349		4 .	453
-4.000	•367	• 381	• 421	•392	• 405	•347	• 345		501
-3.500	*394	•398	• 431	•394	•403	•351	•373		587
-3.000	• 406	•408	• 429	• 402	•399	•361	•387		531
-2.750	• 406	• 435	•400	• 394	•393	•363	•395		359
-2.500	•410	•410	• 392	• 392	•383	•369	•395		359
-2.250 -2.000	• 439 • 402	•417	• 386 • 375	• 400	•381	•375	• 391		355
-1.750	• 421	•412	•369	• 389 • 392	•377 •375	•379	•397		357
-1.500	.408	•404	• 365	• 389	•375	•407	• 389		517 453
-1.250	•359	• 394	•361	•367	•387	•423	•377		427
-1.000	•392	• 383	•373	.367	•389	.447	•361		465
750	•381	•381	•362	.381	.411	•481	•355		531
625	•390	•388	•367	•392	•425	•501	•357		629
500	•400	•415	•386	.408	*451	.517	.369		689
375	•421	• 423	•413	• 446	•487	•537	• 405		357
250	•460	• 471	.454	•502	•525	•543	• 467		353
125	•541		•524		•543		•557	21	351
•000	•545	•547	•546	•589	•533	•535	•557	22 -•	353
•250	338	336	351	348	THE RESERVE		357		
•375	330	346	362	359	347		355		
•500	344	342	373	359	349		359		
•750	344	342	362	343	349	353	365		
1.000	340	234	365	359	351	349	359		
1.250	327	323	359	355	347	353	345		
1.500	309 050	301	343	345	355	351	314		
2.000	238	265 232	316 205	339 318	353 349	351 349	286		
2.250	197	232	205		349		252		
2.500	182	174	219	304 282	332	351 353	220		
2.750	158	147	208	252	320	353			
3.000	137	126	192	232	306	359	166 148		
3.500	102	099	135	186	270	355	. 1 . 0		
4.000	085	068	116	160	248	347			
4.500	075	058	095	126	214	343			
5.000	056	041	073	100	186	332			
5.500	054	031	070	074	152	314			
6.000	041	017	049	056	114	276			
6.000	041	017	-•049		-•114	-•276			
-6.000	041	•017	•049		15°	-•276 •292		1 1	493
-6.000 -5.500	041 .006 .015	017 004 010	•029 •182	Λ= •305 •351	15°				493
-6.000 -5.500 -5.000	041 .006 .015 .077	017 004 010 162	•029 •182 •344	Λ= •305 •351 •362	15°	•292 •278 •278		2 .	
-6.000 -5.500 -5.000 -4.500	.006 .015 .077 .303	017 004 010 .162 .319	.029 .182 .344	Λ= •305 •351 •362 •384	15° .377 .379 .379 .369	•292 •278 •278 •278		2	445 431 451
-6.000 -5.500 -5.000 -4.500 -4.000	.006 .015 .077 .303 .361	017 004 010 162 319 354	.029 .182 .344 .381	Λ= •305 •351 •362 •384 •370	377 379 379 379 369 363	•292 •278 •278 •286 •294	•351	2 3 4 5	445 431 451 491
-6.000 -5.500 -5.000 -4.500 -4.500	.006 .015 .077 .303 .361	017 004 010 162 319 354 371	.029 .182 .344 .381 .388	.305 .351 .362 .384 .370	*377 *379 *379 *369 *363 *361	•292 •278 •278 •286 •294 •306	• 369	2 3 4 5 6	445 431 451 491 557
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.500	041 .006 .015 .077 .303 .361 .369 .375	017 004 010 .162 .319 .354 .371 .373	.029 .182 .344 .381 .388	Λ= •305 •351 •362 •384 •370 •373 •370	**377 **379 **379 **369 **363 **361 **359	•292 •278 •278 •278 •286 •294 •306 •320	• 369 • 371	2 3 4 5 6	445 431 451 491 557 489
-6.000 -5.500 -5.500 -4.000 -4.000 -3.500 -2.750	041 .006 .015 .077 .303 .361 .369 .375 .381	017 004 010 .162 .319 .354 .371 .373 .406	.029 .182 .344 .381 .388 .386 .381	Λ= •305 •351 •362 •384 •370 •373 •378	*377 *379 *379 *369 *369 *361 *359 *359	•292 •278 •278 •286 •294 •306 •320 •335	• 369 • 371 • 379	2	445 431 451 491 557 489 347
-6.000 -5.500 -5.500 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500	041 .006 .015 .077 .303 .361 .369 .375 .381	017 004 010 .162 .319 .354 .371 .373 .406 .369	.029 .182 .344 .381 .388 .386 .381	Λ= .305 .351 .362 .384 .370 .373 .370 .378	377 379 379 369 369 361 359 359	•292 •278 •278 •286 •294 •306 •320 •335 •335	• 369 • 371 • 379 • 381	2 3 4 5 6 7 8	445 431 451 491 557 489 347 347
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.5500 -2.250	041 .006 .015 .077 .303 .361 .369 .375 .381 .421	017 004 010 162 319 354 371 373 406 369 390	*029 *182 *344 *381 *388 *386 *381 *352 *352	Λ= .305 .351 .362 .384 .370 .373 .378 .362 .362	377 379 379 369 363 361 359 359 359 357	•292 •278 •278 •286 •294 •306 •320 •335 •335	• 369 • 371 • 379 • 381 • 379	2 3 4 5 6 7 8 9 	445 431 451 491 557 489 347 347 347
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250	041 .006 .015 .077 .303 .361 .369 .375 .381 .381 .421	017 004 010 162 319 354 371 373 406 369 390 375	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352	Λ= .305 .351 .362 .384 .370 .373 .378 .362 .362 .362	*377 *379 *379 *369 *363 *361 *359 *359 *359 *357 *359	• 292 • 278 • 278 • 286 • 294 • 306 • 320 • 335 • 335 • 341 • 337	• 369 • 371 • 379 • 381 • 379 • 387	2 3 4 5 6 7 8 9 10	445 431 451 491 557 489 347 347 347 345
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -2.750 -2.500 -2.250 -2.600 -1.750	041 .006 .015 .077 .303 .361 .381 .381 .381 .381 .379 .406	017 .004 010 .162 .319 .354 .371 .373 .406 .389 .390 .375 .386	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352	Λ= .305 .351 .362 .384 .370 .373 .370 .378 .362 .362 .367 .378	377 379 379 369 369 361 359 359 359 359 359 359	.292 .278 .278 .286 .294 .306 .320 .335 .335 .341 .337	• 369 • 371 • 379 • 381 • 379 • 387 • 383	2 3 4 5 5 6 7 7 8 9 9 10 11 1 12	445 431 451 491 557 489 347 347 347 345 491
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750	041 .006 .015 .077 .303 .361 .369 .375 .381 .381 .421 .379 .406	-017 -004 -010 -162 -319 -373 -406 -369 -375 -386 -377	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352 .352 .352	Λ= .305 .351 .362 .384 .370 .373 .370 .378 .362 .3667 .378 .359	15° 377 379 379 369 369 361 359 359 357 359 357 359	.292 .278 .278 .286 .294 .306 .320 .335 .335 .341 .337 .349	.369 .371 .379 .381 .379 .387 .383	2 3 4 5 6 7 8 9 10 	445 431 451 491 557 489 347 347 347 345 491 435
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -1.750 -1.500 -1.250	041 .006 .015 .077 .303 .361 .369 .375 .381 .381 .381 .421 .379 .406 .390 .363	-017 -004 -010 -162 -319 -354 -371 -406 -369 -375 -386 -377 -375	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352 .352 .352 .352	Λ= 305 351 362 384 370 373 370 378 362 362 362 367 378 359	377 379 379 369 363 361 359 359 359 359 359 347 347	.292 .278 .278 .286 .294 .306 .320 .335 .341 .337 .449	.369 .371 .379 .381 .379 .387 .383 .377	2 3 4 5 5 6 6 7 8 9 10 11 11 12 13 14	445 431 451 491 557 489 347 347 347 347 347 491 435 417
-6.000 -5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.250 -1.200	041 .006 .015 .077 .303 .361 .369 .375 .381 .381 .421 .379 .406 .390 .363 .373	-017 -004 -010 -162 -319 -354 -371 -373 -406 -369 -375 -386 -377 -375 -363	.029 .182 .344 .381 .386 .386 .352 .352 .352 .352 .352 .352 .352 .352	Λ= .305 .351 .362 .384 .370 .373 .370 .378 .362 .362 .367 .378 .362 .367 .378 .359 .351	15° 377 379 379 369 363 361 359 359 359 357 359 357 359 357 359 357	.292 .278 .278 .278 .294 .306 .320 .335 .335 .341 .337 .349	.369 .371 .379 .381 .379 .387 .383 .377 .365	2 3 4 5 6 7 8 9 10 	445 4451 451 5589 7589 7347 75487 745 4417 445
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -2.750 -2.250 -2.250 -2.250 -1.750 -1.000 750	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .390 .363 .373	-017 -004 -010 -162 -319 -354 -371 -373 -406 -349 -390 -375 -386 -377 -375 -363 -359	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352 .352 .352 .352 .352 .352	Λ= .305 .351 .362 .384 .370 .378 .362 .362 .362 .362 .367 .378 .351 .357 .370	15° 377 379 379 369 363 361 359 359 357 357 357 347 3357	.292 .278 .278 .286 .294 .306 .320 .335 .335 .341 .337 .349 .361 .381	.369 .371 .379 .381 .379 .387 .383 .377 .365 .355	2 3 4 5 5 6 7 7 8 10 11 11 12 13 14 15 16	445 431 451 451 558 347 3347 3345 4417 445 501
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.500 -1.750 -1.500 -1.750 -1.750 -1.750	041 .006 .015 .077 .303 .361 .381 .381 .381 .421 .379 .406 .390 .363 .373 .357	-017 -004 -010 -162 -319 -354 -371 -373 -406 -369 -390 -375 -386 -377 -375 -363 -359 -361	.029 .182 .344 .381 .386 .381 .352 .352 .352 .352 .352 .352 .352 .351 .351	Λ= .305 .351 .362 .370 .373 .370 .378 .362 .367 .378 .357 .377 .370 .362	15° 377 379 379 369 369 361 359 359 359 357 357 357 347 347 3355 379 407	.292 .278 .278 .286 .294 .306 .320 .335 .341 .337 .349 .361 .381 .415	.369 .371 .379 .381 .379 .387 .383 .377 .365 .355 .345	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	445 431 451 549 549 347 347 345 445 445 445 549 445 549 445 549 445 549 549
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.550 -2.550 -2.550 -2.500 -1.750 -1.250 -1.250 -1.250 -3.500	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .390 .363 .373 .357 .387	017 004010162319354371373406369390375366377375363359361400	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352 .352 .352 .352 .352 .352	Λ= 305 351 362 384 370 378 362 362 367 362 367 378 359 351 357 370 362 400	15° 377 379 379 369 363 361 359 359 359 359 359 359 359 359 359 379 407	.292 .278 .278 .286 .294 .306 .325 .335 .335 .341 .337 .349 .361 .381 .465 .405	.369 .371 .379 .381 .379 .387 .383 .377 .365 .355 .345 .347	2 3 4 5 6 7 8 9 9 10 11 1 2 11 13 14 15 16 17 18	445 431 451 558 457 457 457 457 457 457 457 457 457 457
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.250 -1.250 -1.250 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .390 .363 .363 .357 .367 .383	-017 -004 -010 -162 -319 -354 -371 -373 -406 -389 -375 -386 -377 -375 -363 -359 -361 -400 -408	.029 .182 .344 .381 .386 .381 .352 .352 .352 .352 .352 .352 .352 .351 .357	Λ = .305 .351 .362 .384 .370 .378 .378 .362 .367 .359 .357 .376 .359 .357 .370 .376	15° 377 379 379 369 369 361 359 359 359 357 359 357 359 357 347 347 347 4471	.292 .278 .278 .278 .294 .306 .320 .335 .335 .3341 .337 .349 .361 .415 .405	.369 .371 .379 .381 .387 .387 .383 .377 .365 .355 .345 .347 .367	2 3 4 5 5 6 6 7 7 8 9 9 10 11 12 13 14 15 16 17 18 19 18 19 19	443111797754333444455563
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.550 -2.550 -2.550 -2.500 -1.750 -1.250 -1.250 -1.250 -3.500	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .390 .363 .373 .357 .387	017 004010162319354371373406369390375366377375363359361400	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352 .352 .352 .352 .352 .352	Λ= 305 351 362 384 370 378 362 362 367 362 367 378 359 351 357 370 362 400	15° 377 379 379 369 363 361 359 359 359 359 359 359 359 379 407 435 471 5515	.292 .278 .278 .286 .294 .306 .325 .335 .335 .341 .337 .349 .361 .381 .465 .405	.369 .371 .379 .381 .379 .387 .383 .377 .365 .345 .345 .347 .367	2 3 4 5 5 6 6 7 7 8 9 9 10 11 12 13 14 15 16 17 18 19 9 10 20 7 5	4451 4451 4451 4451 4451 4451 4451 4451
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.250 -2.250 -2.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .390 .363 .373 .357 .387	-017 -004 -010 -162 -319 -354 -371 -373 -406 -389 -375 -386 -377 -375 -363 -359 -361 -400 -408	.029 .182 .344 .381 .388 .386 .391 .352 .352 .352 .352 .352 .352 .352 .351 .351 .357 .367	Λ= .305 .351 .362 .384 .370 .378 .378 .362 .367 .359 .357 .376 .359 .357 .370 .376	15° 377 379 379 369 369 361 359 359 359 357 359 357 359 357 347 347 347 4471	.292 .278 .278 .278 .294 .306 .320 .335 .335 .3341 .337 .349 .361 .415 .405	.369 .371 .379 .381 .387 .387 .383 .377 .365 .355 .345 .347 .367	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	4431117943334455117977544551563344555634
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.250 -3.500 -3.000 -3	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .390 .363 .373 .357 .387 .387 .3883	-017 -004 -010 -162 -319 -354 -371 -373 -406 -389 -390 -375 -386 -377 -375 -386 -377 -375 -386 -400 -408 -450	.029 .182 .344 .381 .386 .381 .352 .352 .352 .352 .352 .352 .352 .351 .357 .413 .454	Λ = .305 .351 .362 .384 .370 .373 .370 .378 .362 .367 .357 .377 .377 .377 .377 .377 .377 .37	15° 377 379 379 369 369 361 3961 359 359 357 359 357 359 379 347 347 347 355 379 407	.292 .278 .278 .278 .294 .306 .320 .335 .335 .3341 .337 .349 .361 .415 .465 .491 .515	369 371 379 381 377 387 387 365 345 345 347 367 367 367 367	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	443111794597754333344311175431175433334444555633333444411
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.250 -1.250 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.750 -3	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .390 .363 .373 .357 .367 .383 .410 .456 .533	-017 -004 -010 -162 -319 -354 -371 -373 -406 -369 -390 -375 -386 -377 -375 -383 -359 -361 -400 -408 -450	.029 .182 .344 .381 .386 .381 .352 .352 .352 .352 .352 .352 .352 .351 .357 .413 .454 .519 .532	A= .305 .351 .362 .384 .370 .377 .370 .378 .362 .367 .378 .359 .357 .377 .378 .359 .359 .359 .359 .359 .359 .359 .359	15° 377 379 379 369 369 361 3961 359 359 357 359 357 359 379 347 347 347 355 379 407	.292 .278 .278 .278 .294 .306 .320 .335 .335 .3341 .337 .349 .361 .415 .465 .491 .515	369 371 379 381 379 383 377 365 345 347 367 391 443 527	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	443111794597754333344311175431175433334444555633333444411
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.250	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .363 .373 .357 .367 .383 .410 .456 .533 .539	017 004010162319354377375369390375366377375363379360408459	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352 .352 .352 .3552 .357 .357 .367 .413 .494 .519 .532	Λ= .305 .351 .362 .384 .370 .373 .376 .362 .362 .367 .378 .357 .370 .359 .351 .357 .370 .362 .400 .435 .494 .589	15° 377 379 379 369 363 361 359 359 357 339 357 3379 407 435 471 515 535 521	.292 .278 .278 .278 .294 .306 .320 .335 .341 .337 .349 .361 .381 .415 .445 .491 .515 .537	369 371 379 381 387 387 388 377 365 355 345 347 367 391 443 527	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	443111794597754333344311175431175433334444555633333444411
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.550 -2.550 -2.550 -1.550 -1.550 -1.250	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .390 .363 .373 .357 .367 .383 .410 .456 .533 .539340327344	017 004010162319354371373406349390375386377375386377375386377340408539	.029 182 344 381 388 386 381 352 352 352 352 352 352 352 357 367 413 454 519 532	Λ= 305 351 362 384 370 378 362 367 362 367 359 351 357 370 362 367 378 359 351 357 370 362 367 378 379 370 370 370 370 370 370 370 370 370 370	15° 377 379 379 369 369 369 369 359 359 357 359 357 359 347 347 355 4471 5515 521	.292 .278 .278 .278 .294 .306 .320 .335 .335 .341 .337 .349 .361 .415 .465 .491 .515 .537	**369 **371 **379 **381 **379 **383 **377 **365 **345 **345 **347 **367 **391 **443 **527 **529	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	443111794597754333344311175431175433334444555633333444411
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.500 -1.750 -1.250	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .363 .373 .357 .367 .383 .410 .456 .533 .539	017 004010162319354371373406369375363377375363377375363377375363377375363377375363377375363377375363377375363377375363377375363377375363377373373375363377373375373375	.029 .182 .344 .381 .386 .381 .352 .352 .352 .352 .352 .357 .367 .413 .454 .519 .532	Λ= 305 351 362 384 370 378 362 367 378 362 367 359 351 357 370 362 400 435 494 589 -346 -357 -359	15° 377 379 379 369 369 361 399 359 359 357 359 357 347 347 347 359 407 4435 471 515 521	.292 .278 .278 .278 .294 .306 .320 .335 .341 .337 .349 .361 .381 .415 .445 .491 .515 .537	**369 **379 **381 **379 **383 **377 **365 **345 **345 **347 **367 **391 **443 **527 **529	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	4431117947543333443111795433334444555633333444411
-6.000 -5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -1.750 -1.250 -1.500 -1.500 -1.250	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .3990 .363 .373 .357 .367 .383 .410 .456 .533 .539 -340 -344 -346 -344 -3325	-017 -004 -010 -162 -319 -354 -371 -373 -406 -389 -390 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -384 -386 -288 -325	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352 .352 .352 .3552 .3552 .357 .367 .413 .454 .519 .532 -367 .367 .367	Λ= .305 .351 .362 .384 .370 .373 .376 .362 .362 .367 .378 .359 .351 .357 .370 .362 .494 .589 -346 -357 -3348 -3348 -3348 -3348	15° 377 379 379 369 369 361 361 359 359 357 359 357 359 355 347 347 347 355 471 5519 5535 5521	.292 .278 .278 .278 .294 .306 .320 .335 .335 .337 .349 .361 .381 .415 .405 .491 .515 .537 .537	369 371 379 381 379 383 377 365 345 347 367 367 347 367 347 367 347 367 347 367 347 367	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	443111794597754333344311175431175433334444555633333444411
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.750 -1.500 -1.750 -1.250	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .390 .363 .373 .357 .387 .387 .387 .387 .387 .387 .387 .38	-017 -004 -010 -162 -319 -354 -371 -373 -406 -369 -375 -386 -377 -386 -377 -375 -386 -377 -386 -377 -386 -377 -386 -377 -386 -377 -386 -387 -387 -387 -387 -387 -387 -387 -387	.029 .182 .344 .381 .386 .381 .352 .352 .352 .352 .352 .352 .352 .357 .367 .413 .454 .519 .532	A= .305 .351 .362 .384 .370 .378 .362 .367 .359 .357 .370 .362 .400 .435 .494 .589 -346 -359 -3436 -3436 -3436 -3436 -3436 -3436	15° 377 379 379 369 369 361 359 359 359 357 359 357 347 347 347 355 347 347 355 347 3435 471 4515 535 521	.292 .278 .278 .278 .206 .204 .306 .325 .335 .334 .337 .349 .361 .391 .415 .445 .491 .515 .537 .539 .527	369 371 379 381 379 383 377 365 345 347 367 391 443 527 529 343 -343 -345 -347 -347 -347 -347 -347 -332 -332 -332	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	443111794597754333344311175431175433334444555633333444411
-6.000 -5.500 -5.000 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.750 -1.500 -1.750 -1.250 -1.250 -1.250 -1.250 -1.250 -1.750 -1.250	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .3990 .363 .373 .357 .367 .383 .410 .456 .533 .539 -340 -327 -344 -3346 -3344 -3346 -3325 -3058	-017 -004 -010 -162 -319 -354 -371 -373 -406 -349 -375 -366 -377 -375 -366 -377 -375 -366 -377 -375 -366 -377 -375 -366 -377 -375 -366 -377 -375 -366 -377 -375 -366 -377 -375 -366 -377 -375 -366 -377 -375 -366 -377 -375 -366 -377 -375 -366 -377 -375 -366 -377 -375 -366 -377 -375 -366 -377 -375 -366 -377 -375 -386 -386 -386 -386 -386 -386 -386 -386	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352 .352 .352 .3552 .3552 .3552 .3552 .3552 .3552 .3552 .3552 .3567 .367 .367 .367 .367 .367 .3667 .370	Λ= .305 .351 .362 .384 .370 .373 .376 .362 .367 .378 .357 .370 .362 .367 .378 .359 .351 .357 .370 .362 .400 .435 .494 .589 -346 -3357 -3362 .363 -3434 -3343 -3343 -3343	15° 377 379 379 369 363 361 359 359 357 359 357 359 355 471 347 347 435 521 -343 -343 -343 -343 -3443	.292 .278 .278 .278 .294 .306 .320 .335 .335 .337 .349 .361 .381 .415 .455 .557 .557 .557	369 371 379 381 379 383 377 385 347 365 345 347 367 391 443 527 529 -343 -345 -345 -345 -345 -347 -345 -345 -345 -345 -345 -345 -345 -345 -347 -327 -327 -328 -327	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	443111794597754333344311175431175433334444555633333444411
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.750 -1.500 -1.750 -1.250 -1.750 -1.750 -1.250 -1.750 -1.250 -1	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .390 .363 .373 .357 .367 .383 .410 .456 .533 .539340327346325309058	-017 -004 -010 -162 -319 -354 -371 -373 -406 -369 -390 -375 -386 -377 -375 -383 -359 -361 -400 -408 -450 -539 -340 -344 -346 -228 -228 -228 -228 -2287	.029 .182 .344 .381 .386 .381 .352 .352 .352 .352 .352 .352 .352 .357 .367 .413 .454 .519 .532 .367 .367 .367 .367 .367 .367	A= .305 .351 .362 .384 .377 .377 .377 .362 .362 .400 .435 .494 .589 -3467 .359 .359 .359 .359 .341 .3318	15° 377 379 379 369 369 361 359 359 357 359 357 359 357 347 347 347 355 347 343 471 4515 521	.292 .278 .278 .278 .206 .204 .306 .325 .335 .334 .337 .349 .361 .415 .445 .491 .515 .537 .539 .527	**369 **371 **379 **381 **377 **383 **377 **365 **355 **345 **347 **367 **391 **443 **527 **529 ***343 **345 **345 **345 **347 **332 **343 **345 **345 **345 **347 **332 **343 **345	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	443111794597754333344311175431175433334444555633333444411
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.750 -1.500 -1.750 -1.250 -1.750 -1.250 -1	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .390 .363 .373 .357 .367 .383 .410 .456 .533 .539 -340 -327 -346 -3346 -3325 -3058 -243	-017 -004 -010 -162 -319 -354 -371 -373 -406 -369 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -377 -375 -386 -386 -386 -386 -386 -386 -386 -386	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352 .352 .357 .367 .413 .454 .519 .532 .367 .370 .367 .370 .367 .370 .367 .370 .367 .370 .367 .370 .367 .370 .367 .370 .367 .370 .362 .352	Λ = 305 351 362 384 370 378 362 367 378 362 367 379 351 357 370 362 400 435 494 589 -346 -357 -336 -349 -348 -346 -335 -336 -330	15° 377 379 379 369 363 361 359 359 357 359 357 359 355 347 347 3455 521 -343 -339 -339 -339 -339 -339 -339 -33	.292 .278 .278 .278 .294 .306 .320 .335 .335 .337 .349 .361 .337 .349 .361 .351 .415 .455 .515 .527	369 371 379 381 379 381 377 383 377 365 345 347 367 391 443 4527 529 2343 -345 -345 -347 -345	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	4431117947543333443111795433334444555633333444411
-6.000 -5.500 -5.500 -4.500 -4.900 -3.500 -2.750 -2.500 -2.750 -2.500 -2.250 -1.500 -1.250	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .390 .363 .373 .357 .367 .383 .410 .456 .533 .539346327346327346327346327346327346327346327346327316	-017 -004 -010 -162 -319 -354 -371 -373 -406 -369 -390 -375 -363 -377 -375 -363 -377 -375 -363 -377 -375 -363 -377 -375 -363 -375 -363 -375 -363 -375 -363 -375 -363 -375 -363 -375 -363 -375 -363 -375 -363 -375 -363 -375 -363 -375 -363 -375 -363 -375 -363 -375 -386 -377 -386 -387 -380 -380 -288 -288 -288 -288 -288 -288 -288 -2	.029 .182 .344 .381 .386 .381 .352 .352 .352 .352 .352 .352 .352 .357 .367 .413 .454 .519 .532 .365 .367 .367 .367 .367 .367 .367 .367 .367	A= .305 .351 .362 .384 .377 .377 .377 .377 .377 .377 .377 .37	15° 377 379 379 369 369 361 359 359 357 359 357 359 357 359 357 377 347 355 347 355 347 355 379 407 435 471 4519 5336 521	.292 .278 .278 .278 .286 .294 .306 .325 .335 .3341 .337 .349 .361 .415 .465 .491 .515 .537 .539 .527	**369 **371 **379 **381 **379 **383 **377 **365 **355 **345 **345 **347 **367 **391 **443 **527 **529 **343 **343 **345 **345 **345 **345 **347 **355 **347 **355 **347 **3345 **322 **322 **322 **322 **228 **2204	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	443111794597754333344311175431175433334444555633333444411
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.500 -1.750 -1.250 -1.500 -3.750 -2.500 -3.750 -3	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .390 .363 .373 .357 .367 .383 .410 .456 .533 .539 -340 -327 -346 -3325 -309 -058 -243 -209 -1172	017 .004010 .162 .319 .354 .371 .373 .406 .369 .390 .375 .363 .377 .375 .363 .359 .361 .400 .408 .450340344346228287226201178	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352 .352 .357 .367 .413 .454 .519 .532 .354 .367 .370 .370 .367 .370 .370 .370 .370 .370 .370 .370 .37	Λ = 305 351 362 384 370 378 362 367 378 369 367 379 351 357 370 364 494 589 -346 -357 -3359 -348 -340 -280 -254	15° 377 379 379 369 363 361 361 359 359 357 359 357 347 347 347 355 521 -343 -343 -343 -343 -344 -337 -332 -331	.292 .278 .278 .278 .294 .306 .320 .335 .341 .337 .349 .361 .381 .415 .455 .537 .539 .527	369 371 379 381 379 381 377 383 377 365 345 347 367 391 443 527 529 343 -343 -343 -345 -343 -345 -343 -345 -343 -345 -345 -345 -347 -343 -345 -345 -345 -345 -345 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	443111794597754333344311175431175433334444555633333444411
-6.000 -5.500 -5.500 -4.500 -4.900 -3.500 -3.500 -2.750 -2.500 -2.750 -1.500 -1.750 -1.250	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .390 .363 .373 .357 .367 .383 .410 .456 .533 .539 344 .327344 .336327344	017 .004010 .162 .319 .354 .371 .373 .406 .349 .390 .375 .386 .377 .375 .363 .359 .361 .400 .408 .450340344346288208201178215	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352 .352 .352 .352 .351 .351 .357 .413 .454 .519 .532 .365 .367 .370 .370 .367 .370 .370 .370 .322 .346 .327 .213 .227 .213	A= .305 .351 .362 .370 .377 .377 .377 .377 .362 .367 .359 .357 .362 .400 .589 -3357 -3358 .343 -3367 -3358	15° 377 379 379 369 369 361 399 359 359 357 359 359 357 359 347 347 355 347 435 471 519 533 521	.292 .278 .278 .278 .278 .206 .204 .320 .335 .335 .3341 .337 .349 .361 .381 .415 .405 .401 .515 .537 .539 .527	**369 **371 **379 **381 **379 **383 **377 **365 **355 **345 **345 **347 **367 **391 **443 **527 **529 **343 **343 **345 **345 **345 **345 **347 **355 **347 **355 **347 **3345 **322 **322 **322 **322 **228 **2204	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	443111794597754333344311175431175433334444555633333444411
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.200 -1.750 -1.250 -1.500 -7.750 -2.2500 -2.250	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .390 .363 .373 .357 .383 .410 .456 .533 .539 -340 -327 -344 -336 -325 -309 -1172 -1172 -1144	017 .004010 .162 .319 .354 .371 .373 .406 .369 .375 .386 .377 .375 .343 .359 .361 .400 .408 .455340344346228201278266201178153116	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352 .352 .352 .3552 .357 .367 .413 .454 .365 .367 .370 .3867 .387	Λ = 305 351 362 384 370 378 362 367 359 351 357 370 362 400 435 494 589 -346 -3559 -348 -348 -348 -348 -348 -348 -348 -348	15° 377 379 379 369 369 361 361 359 359 357 359 357 347 347 347 355 377 407 435 471 515 521 -343 -343 -344 -341 -341 -341 -341 -3	.292 .278 .278 .278 .294 .306 .320 .335 .341 .337 .349 .361 .381 .415 .465 .491 .515 .537 .539 .527	369 371 379 381 379 381 377 383 377 365 345 347 367 391 443 527 529 343 -343 -343 -345 -343 -345 -343 -345 -343 -345 -345 -345 -347 -343 -345 -345 -345 -345 -345 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	4451 4451 4558 4577 4575 4575 4575 4575 4575 4575
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.750 -2.500 -1.500 -1.500 -1.500 -1.250 -3.750 -2.250 -3.75 -2.250 -3.75 -3.000 -3.75 -3.000 -3.75 -3.000 -3.75 -3.000 -3.75 -3.000 -3.75 -3.000 -3.75 -3.000 -3.75 -3.000 -3.75 -3.000 -3.75 -3.000 -3.75 -3.000 -3.75 -3.000 -3.75 -3.000 -3.75 -3.000 -3.750 -3.000 -3.750 -3.000 -3.750 -3.000 -3.750 -3.000 -3.500 -3.500 -3.500 -3.500	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .393 .373 .357 .367 .383 .410 .456 .533 .539 344 .3364 .327344 .3365 .327344	017 .004010 .162 .319 .354 .371 .373 .406 .349 .390 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .386 .377 .386 .387 .386 .387 .386 .387 .386 .387 .387 .386 .387 .386 .387 .387 .386 .387 .387 .387 .387 .387 .387 .387 .387	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352 .352 .352 .352 .351 .351 .357 .413 .454 .519 .532 .365 .367 .370 .367 .370 .370 .367 .370 .370 .327 .213 .227 .213 .227 .2140 .227	A = 305 351 362 378 377 378 362 367 378 359 357 370 377 370 377 377 377 377 377 377 37	15° 377 379 379 369 369 361 359 359 357 359 357 359 357 359 347 347 355 347 437 4471 519 5339 521	.292 .278 .278 .278 .278 .206 .204 .320 .335 .335 .3341 .337 .349 .361 .381 .415 .557 .557 .557 .557 .557 .557 .539	369 371 379 381 379 381 377 383 377 365 345 347 367 391 443 527 529 343 -343 -343 -345 -343 -345 -343 -345 -343 -345 -345 -345 -347 -343 -345 -345 -345 -345 -345 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	4451 4451 4558 4577 4575 4575 4575 4575 4575 4575
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.750 -2.750 -2.250 -2.250 -1.500 -1.750 -1.250 -1	041 .006 .015 .077 .3003 .361 .369 .375 .381 .421 .379 .406 .363 .373 .357 .367 .383 .410 .456 .533 .5393403273463253463253093273146325309172145124093	017 .004010 .162 .319 .354 .371 .373 .406 .369 .375 .386 .377 .375 .343 .359 .361 .400 .408 .450340344346228208217 .275226217 .178116085	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352 .352 .357 .367 .413 .454 .519 .532 .367 .367 .367 .370 .367 .370 .367 .370 .367 .370 .367 .370 .367 .370 .367 .370 .367 .370 .367 .370 .370 .367 .370 .370 .370 .370 .370 .370 .370 .37	Λ = 305 3351 362 384 370 378 362 367 359 351 357 370 362 400 435 494 589 -3467 -3359 -348 -341 -3359 -348 -341 -3318 -340 -254 -178	15° 3377 3379 3379 3369 3363 3361 3359 3359 3357 3359 3357 3379 347 3355 347 3355 347 3355 347 3355 347 3355 347 3436 343 343 343 343 343 343 343 343 34	.292 .278 .278 .278 .208 .204 .306 .320 .335 .335 .341 .337 .349 .361 .381 .415 .405 .401 .515 .537 .539 .527	369 371 379 381 379 381 377 383 377 365 345 347 367 391 443 527 529 343 -343 -343 -345 -343 -345 -343 -345 -343 -345 -345 -345 -347 -343 -345 -345 -345 -345 -345 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348 -347 -348	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	4451 4451 4558 4577 4575 4575 4575 4575 4575 4575
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.750 -1.500 -1.750 -1.250 -1.000 -750 -2.250	041 .006 .015 .077 .303 .361 .369 .375 .381 .421 .379 .406 .393 .373 .357 .367 .383 .410 .456 .533 .539 344 .3364 .327344 .3365 .327344	017 .004010 .162 .319 .354 .371 .373 .406 .349 .390 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .375 .386 .377 .386 .377 .386 .387 .386 .387 .386 .387 .386 .387 .387 .386 .387 .386 .387 .387 .386 .387 .387 .387 .387 .387 .387 .387 .387	.029 .182 .344 .381 .388 .386 .381 .352 .352 .352 .352 .352 .352 .351 .351 .357 .413 .454 .519 .532 .365 .367 .370 .367 .370 .370 .367 .370 .370 .327 .213 .227 .213 .227 .2140 .227	A = 305 351 362 378 377 378 362 367 378 359 357 370 377 370 377 377 377 377 377 377 37	15° 377 379 379 369 369 361 359 359 357 359 357 359 357 359 347 347 355 347 437 4471 519 5339 521	.292 .278 .278 .278 .278 .206 .204 .320 .335 .335 .3341 .337 .349 .361 .381 .415 .557 .557 .557 .557 .557 .557 .539	369 371 379 381 379 381 377 383 377 365 345 347 367 391 443 527 529 343 -343 -343 -345 -343 -345 -343 -345 -343 -345	2 3 4 5 5 6 6 7 7 8 9 9 10 11 1 2 13 14 15 16 17 18 19 20 21	4451 4451 4558 4577 4575 4575 4575 4575 4575 4575

Table 01 Continued
Plate and Spoiler Pressure Coefficients

Configuration 2 M= 1.61 R= 0.14 x 106

				Plate				Spoi	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
		The same		Λ=	30 °				
-6.000 -5.500	010	.008	•025 •226	• 238 • 348	•365 •375	•282 •230		1 2	• 359 • 306
-5.000	•274	.282	•350	• 357	•359	•216		3	• 306
-4.500	•313	•348	•386	• 375	•339	.204		4	• 288
-4.000	•334	• 350	•379	• 351	•288	•200	•308	5	• 324
-3.500 -3.000	•330	•348	•379	•338	•248	•194	•312	6	• 385
-2.750	•323	•342 •379	•342	·297	•216	•196 •200	•310 •300	7 8	• 335 -• 326
-2.500	•317	•334	.284	• 259	•192	•204	•312	9	330
-2.250	• 336	•332	•265	• 246	•188	•220	•310	10	332
-2.000	•284	•307	.245	.227	•192	•228	•312	11	326
-1.750	•303	•294	.224	•219	•194	•252	•312	12	• 395
-1.500	• 267	• 265	•207	•211	•194	•268	•314	13	• 363
-1.250 -1.000	•193	•232	•182	•203	•202	• 292	•306	14	• 359 • 383
750	•211	.220	•211	•219	•254	•369	•308	16	•407
625	•220	.230	•219	.243	•282	•393	•306	17	.423
500	•230	.199	•238	• 265	•318	• 409	•306	18	•387
375	• 255	.280	• 265	•308	•365	•425	•318	19	304
250	•309	•323	•330	•384	• 403	•421	•357	20	304
125	• 408	.444	* 424	. 4.22	•413	425	• 415	21	302
•000	•431	.444	• 446	•432	•419	•425	•419	22	316
• 250	327	311	332	327			304		
• 375	319	321	343	340	316		304		
•500	338	319 327	-•346 -•351	338	318	=.310	306		
1.000	336 319	209	351 346	332 340	318 320	310 312	300 306		
1.250	294	290	332	320	318	314	306		
1.500	274	255	313	308	318	310	296		
1.750	031	232	284	300	316	308	278		
2.000	213	203	/ 189	284	314	306	256		
2.250	176	174	227 197	268	306	310	234		
2.500	-•151 -•133	153 135	197	254 236	302 294	306	210 192		
3.000	112	116	173	216	284	-•302 -•304	176		
3.500	079	085	124	194	266	302			
4.000	058	050	124	166	252	292			
4.500	050	037	103	150	230	290			
5.000	046	124	084	132	214	278			
5.500	058	017	070	110	190	272			
6.000	008	008	-•062	106	174	-•266			
				Λ= 4	5 °				
-6.000	•000	•004	•023	•011	•296	•343		1	• 359
-5.500	•060	•021	•044	•200	•351	•232		2	• 337
-5.000	•236	•207	•255	•311	.349	•186		3 4	• 310
-4.500 -4.000	•288	•298	•332	•340 •330	•328 •274	•172 •178	•276	5	• 296
-3.500	•303	.317	•344	•313	.216	•200	•270	. 6	.399
-3.000			•332	•267	.180	•242	.270		
-2.750	• 303	.311						/	
	•303 •294	•311 •350		.240	.166			7 8	• 375 -• 328
-2.500	•294 •272	• 350 • 296	•267 •236	•240 •208	•166 •158	•272 •298	• 268 • 264	8 9	• 375 -• 328 -• 330
-2.500 -2.250	•294 •272 •286	• 350 • 296 • 272	•267 •236 •195	•208 •176	.158 .150	•272 •298 •324	• 268 • 264 • 254	8 9 10	• 375 • • 328 • • 330 • • 335
-2.500 -2.250 -2.000	•294 •272 •286 •197	• 350 • 296 • 272 • 236	• 267 • 236 • 195 • 151	•208 •176 •167	.158 .150 .160	•272 •298 •324 •349	• 268 • 264 • 254 • 242	8 9 10 11	• 375 • • 328 • • 330 • • 335 • • 332
-2.500 -2.250 -2.000 -1.750	• 294 • 272 • 286 • 197 • 216	• 350 • 296 • 272 • 236 • 203	•267 •236 •195 •151 •122	•208 •176 •167 •159	•158 •150 •160 •174	•272 •298 •324 •349 •373	• 268 • 264 • 254 • 242 • 218	8 9 10 11 12	.375 328 330 335 332 .244
-2.500 -2.250 -2.000 -1.750 -1.500	• 294 • 272 • 286 • 197 • 216 • 168	.350 .296 .272 .236 .203	•267 •236 •195 •151 •122 •091	•208 •176 •167 •159 •149	•158 •150 •160 •174 •202	• 272 • 298 • 324 • 349 • 373 • 385	.268 .264 .254 .242 .218 .188	8 9 10 11 12 13	.375 328 330 335 332 .244 .206
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250	• 294 • 272 • 286 • 197 • 216 • 168 • 102	.350 .296 .272 .236 .203 .166	• 267 • 236 • 195 • 151 • 122 • 091 • 091	•208 •176 •167 •159 •149 •159	.158 .150 .160 .174 .202 .232	.272 .298 .324 .349 .373 .385	.268 .264 .254 .242 .218 .188	8 9 10 11 12 13 14	. 375 328 330 335 332 . 244 . 206 . 180
-2.500 -2.250 -2.000 -1.750 -1.500	• 294 • 272 • 286 • 197 • 216 • 168	.350 .296 .272 .236 .203 .166 .147	•267 •236 •195 •151 •122 •091	.208 .176 .167 .159 .149 .159	.158 .150 .160 .174 .202 .232 .276	• 272 • 298 • 324 • 349 • 373 • 385	.268 .264 .254 .242 .218 .188 .158	8 9 10 11 12 13 14 15	. 375 328 330 335 332 . 244 . 206 . 180 . 194
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750 625	• 294 • 272 • 286 • 197 • 216 • 168 • 102 • 135	.350 .296 .272 .236 .203 .166	.267 .236 .195 .151 .122 .091 .091	•208 •176 •167 •159 •149 •159	.158 .150 .160 .174 .202 .232	• 272 • 298 • 324 • 349 • 373 • 385 • 403 • 411	.268 .264 .254 .242 .218 .188	8 9 10 11 12 13 14	. 375 328 330 335 332 . 244 . 206 . 180
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750 625 500	• 294 • 272 • 286 • 197 • 216 • 168 • 102 • 135 • 155 • 184 • 232	.350 .296 .272 .236 .203 .166 .147 .145 .166 .205	.267 .236 .195 .151 .122 .091 .091 .146 .181	.208 .176 .167 .159 .149 .159 .197 .243 .276	.158 .150 .160 .174 .202 .232 .276 .330 .351	.272 .298 .324 .349 .373 .385 .403 .411 .429 .423	.268 .264 .254 .242 .218 .188 .158 .134 .116	8 9 10 11 12 13 14 15 16 17	. 375 328 330 335 332 . 244 . 206 . 180 . 194 . 228 . 280 . 288
-2.500 -2.250 -2.250 -1.750 -1.500 -1.250 -1.000 750 -625 500 375	.294 .272 .286 .197 .216 .168 .102 .135 .155 .184 .232	.350 .296 .272 .236 .203 .166 .147 .145 .166 .205 .228	.267 .236 .195 .151 .122 .091 .091 .146 .181 .216 .257	.208 .176 .167 .159 .149 .159 .197 .243 .276 .321	.158 .150 .160 .174 .202 .232 .276 .330 .351 .373	.272 .298 .324 .349 .373 .385 .403 .411 .429 .423 .419	.268 .264 .254 .242 .218 .188 .158 .134 .116 .116	8 9 10 11 12 13 14 15 16 17 18	. 375 328 330 335 332 . 244 . 206 . 180 . 194 . 228 . 288 294
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250	.294 .272 .286 .197 .216 .168 .102 .135 .155 .184 .232 .284	.350 .296 .272 .236 .203 .166 .147 .145 .166 .205	.267 .236 .195 .151 .122 .091 .091 .146 .181 .216 .257 .303	.208 .176 .167 .159 .149 .159 .197 .243 .276	.158 .150 .160 .174 .202 .232 .276 .330 .351 .373 .405	.272 .298 .324 .349 .373 .385 .403 .411 .429 .423	. 268 . 264 . 254 . 254 . 242 . 218 . 188 . 158 . 134 . 116 . 130 . 160 . 202	8 9 10 11 12 13 14 15 16 17 18 19 20	.375 -328 -330 -335 -335 -332 .244 .206 .180 .194 .228 .288 -288 -288 -294 -266
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750 -625 500 375 250 125	.294 .272 .286 .197 .216 .168 .102 .135 .155 .184 .232 .284	.350 .296 .272 .236 .203 .166 .147 .145 .166 .205 .228 .307 .357	.267 .236 .195 .151 .122 .091 .091 .146 .181 .216 .257 .303 .357	• 208 • 176 • 167 • 159 • 149 • 159 • 197 • 243 • 276 • 321 • 362 • 408	.158 .150 .160 .174 .202 .232 .276 .330 .351 .373 .393 .405	• 272 • 298 • 324 • 349 • 373 • 385 • 403 • 411 • 429 • 423 • 419 • 409	. 268 . 264 . 254 . 242 . 218 . 188 . 158 . 134 . 116 . 116 . 130 . 160 . 202 . 274	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 - 328 - 330 - 335 - 332 - 244 - 206 - 180 - 194 - 228 - 280 - 294 - 266 - 232
-2.500 -2.250 -2.000 -1.750 -1.550 -1.250 -1.000 750 -6.25 500 375 250 125 000	.294 .272 .286 .197 .216 .168 .102 .135 .155 .184 .232 .284 .344 .394	*350 *272 *236 *203 *166 *147 *145 *166 *205 *228 *307 *357	.267 .236 .195 .151 .122 .091 .091 .146 .181 .257 .303 .357 .389 .392	.208 .176 .167 .159 .149 .159 .197 .243 .276 .321 .362 .408	.158 .150 .160 .174 .202 .232 .276 .330 .351 .373 .405	.272 .298 .324 .349 .373 .385 .403 .411 .429 .423 .419	.268 .264 .254 .242 .218 .188 .158 .116 .116 .116 .120 .202 .274 .262	8 9 10 11 12 13 14 15 16 17 18 19 20	.375 -328 -330 -335 -335 -332 .244 .206 .180 .194 .228 .288 -288 -288 -294 -266
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750 625 500 375 250 125 .000	.294 .272 .286 .197 .216 .168 .102 .135 .155 .184 .232 .284 .344 .394	*350 *296 *272 *236 *203 *166 *147 *145 *166 *205 *228 *307 *357 *412	.267 .236 .195 .151 .122 .091 .091 .146 .181 .216 .257 .303 .357 .389 .392	*208 *176 *167 *159 *149 *159 *243 *276 *321 *362 *408 *400	*158 *150 *160 *174 *202 *232 *276 *330 *351 *373 *393 *405 *393 *395	• 272 • 298 • 324 • 349 • 373 • 385 • 403 • 411 • 429 • 423 • 419 • 409	. 268 . 264 . 254 . 254 . 218 . 188 . 158 . 134 . 116 . 116 . 116 . 202 . 274 . 262	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 - 328 - 330 - 335 - 332 - 244 - 206 - 180 - 194 - 228 - 280 - 294 - 266 - 232
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -125 -000	.294 .272 .286 .197 .216 .168 .102 .135 .155 .184 .232 .284 .394 .406	.350 .296 .272 .236 .203 .166 .147 .145 .166 .205 .228 .307 .357	.267 .236 .195 .195 .191 .192 .091 .146 .181 .216 .257 .303 .357 .389 .392	*208 *176 *167 *159 *149 *159 *243 *276 *321 *362 *408 *400	.158 .150 .160 .174 .202 .232 .276 .330 .351 .373 .393 .405 .393 .395	• 272 • 298 • 324 • 349 • 373 • 385 • 403 • 411 • 429 • 423 • 419 • 409	. 268 . 264 . 254 . 254 . 218 . 188 . 158 . 116 . 116 . 116 . 120 . 202 . 274 . 262	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 - 328 - 330 - 335 - 332 - 244 - 206 - 180 - 194 - 228 - 280 - 294 - 266 - 232
-2.500 -2.250 -2.000 -1.750 -1.550 -1.550 -1.550 -1.550 -1.550 -2.50	.294 .272 .286 .197 .216 .168 .102 .135 .155 .184 .232 .284 .344 .394 .406	.350 .296 .272 .236 .203 .166 .147 .145 .166 .205 .228 .307 .357 .412	. 267 . 236 . 195 . 195 . 195 . 192 . 091 . 146 . 181 . 216 . 257 . 303 . 357 . 389 . 392	*208 *176 *167 *159 *149 *159 *276 *321 *362 *408 *400 *324 *324 *327	*158 *150 *160 *174 *202 *232 *276 *330 *351 *373 *393 *405 *395 *395	272 298 324 349 373 385 403 411 429 423 419 409	. 268 . 264 . 254 . 254 . 218 . 188 . 158 . 134 . 116 . 130 . 160 . 202 . 202 . 274 . 262	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 - 328 - 330 - 335 - 332 - 244 - 206 - 180 - 194 - 228 - 280 - 294 - 266 - 232
-2.500 -2.250 -2.200 -1.750 -1.500 -1.750 -1.250 -1.000 -750 -625 -500 -375 -125 -000 -250 -375 -500 -375 -500 -375 -500 -375 -500 -375 -500 -375 -3	294 272 286 197 216 168 102 135 155 184 232 284 394 406	.350 .296 .272 .236 .203 .166 .147 .145 .166 .205 .228 .307 .357 .412 -315 -305	. 267 . 236 . 195 . 195 . 195 . 192 . 091 . 146 . 181 . 216 . 257 . 303 . 357 . 389 . 392 . 338 . 332 . 338 . 338 . 338 . 338	.208 .176 .167 .159 .149 .159 .243 .276 .321 .362 .408 .400 .324 .324 .327 .327	*158 *150 *160 *174 *202 *232 *276 *330 *351 *373 *393 *405 *393 *395	272 298 324 3349 373 385 403 4411 429 423 4419 409	.268 .264 .254 .254 .218 .188 .158 .116 .116 .130 .116 .202 .274 .262 .274 .262	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 - 328 - 330 - 335 - 335 - 224 - 206 . 180 . 194 . 228 - 228 - 294 - 226 - 232
-2.500 -2.250 -2.200 -1.750 -1.500 -1.750 -1.500 -7.750 -6.25 -5.00 -3.75 -1.25 -0.00 -3.75 -1.2	.294 .272 .286 .197 .216 .168 .102 .135 .155 .184 .232 .284 .344 .394 .406	.350 .296 .272 .236 .203 .166 .147 .145 .166 .205 .228 .307 .357 .412	. 267 . 236 . 195 . 195 . 195 . 192 . 091 . 191 . 216 . 257 . 303 . 389 . 392 . 338 . 339 . 332 . 338 . 332 . 284 . 259	*208 *176 *167 *159 *149 *159 *276 *321 *362 *408 *400 *324 *324 *327	*158 *150 *160 *174 *202 *232 *276 *330 *351 *373 *393 *405 *395 *395	272 298 324 349 373 385 403 411 429 423 419 409	. 268 . 264 . 254 . 254 . 218 . 188 . 158 . 134 . 116 . 130 . 160 . 202 . 202 . 274 . 262	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 - 328 - 330 - 335 - 332 - 244 - 206 - 180 - 194 - 228 - 280 - 294 - 266 - 232
-2.500 -2.250 -2.000 -1.750 -1.750 -1.500 -1.500 -1.500 -750 -6.25 -500 -375 -250 -1.25 -000 -750 -1.25 -1.2	.294 .272 .286 .197 .216 .102 .135 .155 .184 .232 .284 .394 .406 .321 .321 .339 .339 .339 .339	.350 .296 .272 .236 .203 .166 .205 .147 .145 .166 .205 .228 .307 .357 .412 .305 .305 .203 .284 .203	.267 .236 .195 .195 .195 .191 .091 .146 .181 .216 .257 .303 .357 .389 .392 .338 .338 .338 .338 .338 .338 .338 .33	-208 -176 -167 -159 -149 -159 -159 -127 -243 -276 -321 -362 -408 -400 -324 -327 -303 -282 -292	*158 *150 *160 *174 *202 *232 *276 *330 *351 *373 *405 *393 *393 *393 *393 *393 *393 *393 *39	272 298 324 349 373 385 403 411 429 423 419 409 397	. 268 . 264 . 254 . 254 . 218 . 188 . 158 . 116 . 116 . 116 . 120 . 274 . 262 . 274 . 262 . 288 . 288 . 288 . 276 . 292 . 292 . 296 . 297 . 297 . 297 . 297	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 - 328 - 330 - 335 - 335 - 224 - 206 . 180 . 194 - 228 - 280 - 294 - 296 - 232
-2.500 -2.250 -2.250 -2.000 -1.750 -1.550 -1.550 -1.000 -750 -625 -500 -375 -250 -125 -000 -250 -375 -250 -125 -500 -750 -125 -1000 -125 -12	294 272 286 197 216 168 102 135 155 184 232 284 394 406 -330 -321 -319 -338 -354 -332 -319 -37	.350 .272 .236 .203 .166 .147 .145 .166 .205 .228 .307 .315 -305 -305 -228 -203 -228 -203 -228 -203 -228	. 267 . 236 . 195 . 195 . 195 . 192 . 091 . 091 . 181 . 216 . 257 . 303 . 357 . 389 . 339 . 339 . 338 . 338 . 338 . 338 . 259 . 259	-208 -176 -167 -159 -149 -159 -197 -243 -276 -321 -362 -408 -324 -324 -327 -305 -282 -292 -294	*158 *150 *160 *174 *202 *232 *276 *330 *351 *373 *393 *405 *393 *395 *395 *395 *395 *395 *395 *39	272 298 324 349 373 385 403 441 429 423 4423 409 397	. 268 . 264 . 254 . 254 . 218 . 188 . 158 . 116 . 116 . 130 . 116 . 202 . 274 . 292 . 296 . 288 . 280 . 276 . 292 . 292	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 - 328 - 330 - 335 - 335 - 224 - 206 . 180 . 194 - 228 - 280 - 294 - 296 - 232
-2.500 -2.250 -2.000 -1.750 -1.750 -1.500 -1.500 -1.500 -750 -625 -500 -375 -250 -125 -000 -750 -125 -1000 -750 -125 -1750 -17	294 272 286 197 216 168 102 135 155 184 232 284 394 406 -330 -321 -319 -354 -335 -354 -335 -357 -377 -278	.350 .296 .272 .236 .203 .166 .147 .145 .166 .205 .307 .357 .412 -301 -315 -305 -203 -203 -204 -205 -203 -204 -205	.267 .236 .195 .195 .191 .192 .091 .146 .181 .216 .257 .303 .357 .389 .392 .338 .332 .338 .3327 .284 .259 .273 .267 .273	-208 -176 -167 -159 -149 -159 -159 -159 -276 -321 -362 -408 -400 -324 -327 -303 -282 -292 -294	*158 *150 *160 *174 *202 *232 *276 *3351 *373 *393 *405 *393 *395 *393 *395 *393 *395	-272 -298 -324 -349 -373 -385 -403 -411 -429 -423 -419 -409 -397	. 268 . 264 . 254 . 254 . 218 . 188 . 158 . 116 . 116 . 116 . 120 . 202 . 274 . 262 . 292 . 298 . 288 . 288 . 280 . 276 . 292 . 276 . 292 . 276 . 292 . 292	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 - 328 - 330 - 335 - 332 - 244 - 206 - 180 - 194 - 228 - 280 - 294 - 266 - 232
-2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -1.500 -7.750 -6.25 -500 -375 -250 -125 -000 -750 -1.500 -750 -1.500 -750 -1.500 -750 -1.500 -750 -1.500 -750 -1.250	294 272 286 197 216 168 102 135 155 184 232 284 394 406 -330 -321 -319 -338 -354 -332 -319 -377 -278	*350 •272 •236 •203 •146 •147 •145 •166 •205 •228 •307 •315 •305 •305 •305 •203 •203 •203 •203 •203 •203 •203 •204 •205	. 267 . 236 . 195 . 195 . 195 . 191 . 191 . 191 . 191 . 216 . 257 . 303 . 357 . 389 . 338 . 338 . 338 . 338 . 338 . 259 . 267 . 267	-208 -176 -167 -159 -149 -159 -159 -1243 -276 -321 -362 -408 -400 -324 -327 -327 -305 -282 -292 -294 -294 -284	*158 *150 *160 *174 *202 *232 *276 *330 *351 *373 *393 *405 *393 *395 *395 *395 *395 *395 *395 *39	-272 -298 -324 -349 -373 -385 -403 -411 -429 -423 -419 -409 -397 -294 -278 -242 -216 -192 -180 -200	. 268 . 264 . 254 . 254 . 218 . 188 . 158 . 116 . 116 . 113 . 116 . 202 . 274 . 292 . 296 . 288 . 280 . 276 . 292 . 292	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 - 328 - 330 - 335 - 332 - 244 - 206 - 180 - 194 - 228 - 280 - 294 - 266 - 232
-2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -1.250 -1.000 -750 -375 -250 -375 -250 -375 -500 -375 -375 -375 -375 -375 -375 -375 -375	294 272 286 197 216 168 102 135 155 184 232 284 344 394 406 -330 -321 -319 -338 -354 -354 -377 -278 -275 -240	.350 .272 .236 .203 .166 .203 .147 .145 .166 .205 .228 .307 .357 .412 .301 .315 .305 .228 .203 .203 .204 .205 .228 .207 .315 .305 .203 .203 .203 .204 .205 .204 .205 .205 .205 .207 .307 .307 .307 .307 .307 .307 .307 .3	.267 .236 .195 .151 .122 .091 .091 .146 .181 .216 .257 .303 .357 .338 .392 .338 .392 .338 .392 .338 .392 .338 .392 .373 .373 .373 .373 .373 .373 .373 .37	-208 -176 -167 -159 -149 -159 -159 -159 -243 -276 -321 -362 -408 -400 -324 -327 -303 -282 -292 -292 -294 -2294 -2270	*158 *150 *160 *174 *202 *232 *276 *330 *351 *373 *393 *395 *393 *395 *396 *300 *296 *3304 *320 *3304 *280 *288	-272 -298 -324 -349 -373 -385 -403 -411 -429 -423 -419 -409 -397	. 268 . 264 . 254 . 254 . 218 . 188 . 158 . 116 . 116 . 116 . 120 . 202 . 274 . 262 . 296 . 288 . 280 . 276 . 280 . 276 . 292 . 292 . 292 . 292 . 292 . 292 . 293 . 288 . 280 . 292 . 294 . 294 . 292 . 294 . 292 . 294 . 295 . 296 . 296	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 - 328 - 330 - 335 - 335 - 224 - 206 . 180 . 194 - 228 - 280 - 294 - 296 - 232
-2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -1.500 -7.750 -6.25 -5.000 -3.75 -2.50 -1.25 -0.000 -2.50 -1.750 -1.500 -1.750 -1.250	. 294 . 272 . 286 . 197 . 216 . 168 . 102 . 135 . 155 . 184 . 232 . 284 . 394 . 406 . 330 . 321 . 319 . 338 . 354 . 332 . 315 . 077 . 278 . 2255 . 2269	.350 .272 .236 .203 .166 .147 .145 .166 .202 .307 .315 .305 .305 .305 .305 .305 .305 .305 .30	. 267 . 236 . 195 . 195 . 195 . 191 . 191 . 191 . 191 . 216 . 2257 . 3303 . 337 . 338 . 337 . 338 . 337 . 228 . 229 . 22	-208 -176 -167 -159 -149 -159 -1159 -1243 -276 -321 -362 -408 -408 -400 -324 -327 -327 -303 -282 -292 -294 -294 -294 -270 -252	*158 *150 *160 *174 *202 *232 *276 *330 *351 *373 *393 *405 *395 *395 *395 *316 *308 *300 *296 *320 *320 *3248 *2258 *2248	.272 .298 .324 .349 .373 .385 .403 .403 .423 .423 .423 .423 .423 .423 .423 .42	. 268 . 264 . 254 . 254 . 242 . 218 . 188 . 134 . 116 . 116 . 113 . 160 . 202 . 274 . 262 . 298 . 288 . 280 . 276 . 292 . 292	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 - 328 - 330 - 335 - 332 - 244 - 206 - 180 - 194 - 228 - 280 - 294 - 266 - 232
-2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -1.250 -1.250 -375 -250 -375 -250 -375 -500 -375 -500 -375 -500 -375 -500 -375 -500 -375 -500 -375 -500 -375 -500 -375 -300 -300 -300 -300 -300 -300 -300 -30	294 272 286 197 216 168 102 135 155 184 232 284 334 344 3394 406 -330 -3319 -338 -354 -332 -319 -37 -27 -27 -27 -275 -240 -269	.350 .272 .236 .203 .146 .147 .145 .166 .205 .307 .357 .412 .301 .315 .305 .228 .305 .228 .307 .315 .305 .228 .307 .315 .305 .228 .307 .315 .305 .307 .307 .317 .307 .307 .307 .307 .307 .307 .307 .30	. 267 . 236 . 195 . 195 . 195 . 191 . 191 . 191 . 191 . 216 . 257 . 303 . 357 . 389 . 392 . 338 . 339 . 392 . 338 . 327 . 284 . 259 . 273 . 284 . 259 . 273 . 284 . 259 . 273 . 286 . 273 . 287 . 287	-208 -176 -1167 -1159 -1149 -1157 -243 -276 -321 -362 -408 -408 -400 -324 -327 -305 -305 -292 -294 -284 -284 -284 -284 -284 -284 -284 -28	*158 *150 *160 *174 *202 *232 *276 *330 *351 *373 *393 *393 *395 *316 *3393 *395 *316 *3300 *296 *3304 *280 *280 *2288 *2252 *264	-272 -298 -324 -349 -373 -385 -403 -411 -429 -423 -419 -409 -397	. 268 . 264 . 254 . 254 . 218 . 188 . 158 . 116 . 116 . 116 . 120 . 202 . 274 . 262 . 296 . 288 . 280 . 276 . 280 . 276 . 292 . 292 . 292 . 292 . 292 . 292 . 293 . 288 . 280 . 292 . 294 . 294 . 292 . 294 . 292 . 294 . 295 . 296 . 296	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 - 328 - 330 - 335 - 332 - 244 - 206 - 180 - 194 - 228 - 280 - 294 - 266 - 232
-2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -1.500 -7.750 -6.25 -500 -3.75 -250 -1.25 -0000 -250 -3.75 -1.250	.294 .272 .286 .197 .216 .168 .102 .135 .155 .184 .232 .284 .394 .406 .330 .321 .319 .338 .354 .3394 .395 .315 .077 .278 .269 .269 .269	.350 .272 .236 .203 .146 .147 .145 .166 .205 .228 .307 .357 .412 .301 -315 -305 -203 -228 -228 .207 .315 -203 -228 -228 -228 -228 -228 -228 -228 -22	.267 .236 .195 .151 .122 .091 .091 .181 .216 .257 .303 .357 .389 .338 .337 .338 .337 .259 .273 .273 .274 .273 .274 .273 .274 .273 .274 .273 .274 .274 .275 .276 .277 .276 .277 .277 .277 .277 .277	-208 -176 -167 -159 -149 -159 -1243 -276 -321 -362 -408 -400 -324 -327 -327 -327 -303 -282 -292 -294 -252 -252 -252 -252 -252 -256 -196	*158 *150 *160 *174 *202 *232 *276 *330 *351 *373 *393 *405 *399 *399 *399 *308 *300 *308 *300 *3296 *320 *320 *324 *2264 *2248 *2252 *2264 *274	-272 -298 -324 -349 -373 -385 -403 -411 -429 -423 -419 -409 -397 -294 -278 -216 -1192 -1180 -200 -228 -248 -280 -280 -282	. 268 . 264 . 254 . 254 . 242 . 218 . 188 . 134 . 116 . 116 . 113 . 160 . 202 . 274 . 262 . 298 . 288 . 280 . 276 . 292 . 292	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 - 328 - 330 - 335 - 332 - 244 - 206 - 180 - 194 - 228 - 280 - 294 - 266 - 232
-2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -1.250 -1.250 -375 -250 -375 -250 -375 -500 -375 -500 -375 -500 -375 -500 -375 -500 -375 -500 -375 -500 -375 -500 -375 -300 -300 -300 -300 -300 -300 -300 -30	294 272 286 197 216 168 102 135 155 184 232 284 334 344 3394 406 -330 -3319 -338 -354 -332 -319 -37 -27 -27 -27 -275 -240 -269	.350 .272 .236 .203 .146 .147 .145 .166 .205 .307 .357 .412 .301 .315 .305 .228 .305 .228 .307 .315 .305 .228 .307 .315 .305 .228 .307 .315 .305 .307 .307 .317 .307 .307 .307 .307 .307 .307 .307 .30		-208 -176 -1167 -1159 -1149 -1197 -243 -276 -321 -362 -408 -400 -324 -327 -305 -305 -292 -294 -284 -282 -294 -284 -252 -196 -176	*158 *150 *160 *174 *202 *232 *276 *3330 *351 *373 *393 *393 *395 -316 *3308 *-296 *3304 *-3280 *-2288 *-2264 *-2256 *-274 *-2256	272 298 324 3349 373 385 403 4411 429 423 4419 409 397	. 268 . 264 . 254 . 254 . 242 . 218 . 188 . 134 . 116 . 116 . 113 . 160 . 202 . 274 . 262 . 298 . 288 . 280 . 276 . 292 . 292	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 - 328 - 330 - 335 - 335 - 224 - 206 . 180 . 194 - 228 - 280 - 294 - 296 - 232
-2.500 -2.250 -2.000 -1.750 -1.5500 -1.5500 -3.750 -3.75 -2.500 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -3.50 -3.75 -3.50 -3.50 -3.50 -3.50 -3.50 -3.50 -3.50 -3.50 -3.50 -3.50 -3.50 -3.50 -3.50	294 272 286 197 216 168 102 135 155 184 232 284 394 406 -330 -3319 -338 -354 -332 -315 -077 -278 -255 -240 -269 -135 -010	.350 .272 .236 .203 .146 .147 .145 .166 .205 .307 .357 .412 .301 .315 .305 .228 .307 .315 .228 .307 .315 .228 .307 .315 .305 .228 .307 .315 .305 .228 .307 .317 .317 .317 .317 .317 .317 .317 .31	.267 .236 .195 .151 .122 .091 .091 .181 .216 .257 .303 .357 .389 .338 .337 .338 .337 .259 .273 .273 .274 .273 .274 .273 .274 .273 .274 .273 .274 .274 .275 .276 .277 .276 .277 .277 .277 .277 .277	-208 -176 -167 -159 -149 -159 -1243 -276 -321 -362 -408 -400 -324 -327 -327 -327 -303 -282 -292 -294 -252 -252 -252 -252 -252 -256 -196	*158 *150 *160 *174 *202 *232 *276 *330 *351 *373 *393 *405 *399 *399 *399 *308 *300 *308 *300 *3296 *320 *320 *324 *2264 *2248 *2252 *2264 *274	-272 -298 -324 -349 -373 -385 -403 -411 -429 -423 -419 -409 -397 -294 -278 -216 -1192 -1180 -200 -228 -248 -280 -280 -282	. 268 . 264 . 254 . 254 . 242 . 218 . 188 . 134 . 116 . 116 . 113 . 160 . 202 . 274 . 262 . 298 . 288 . 280 . 276 . 292 . 292	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 - 328 - 330 - 335 - 335 - 224 - 206 . 180 . 194 - 228 - 280 - 294 - 296 - 232
-2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -1.500 -750 -5625 -5600 -375 -250 -125 -500 -1750 1.500 1.500 1.500 1.500 1.750 2.250 2.500 2.500 2.500 2.500 2.500 2.500 2.500 4.000	- 294 - 272 - 286 - 197 - 216 - 168 - 102 - 135 - 184 - 232 - 284 - 344 - 344 - 349 - 406 - 330 - 321 - 319 - 338 - 354 - 339 - 315 - 077 - 278 - 255 - 240 - 269 - 135 - 010 - 037	.350 .272 .236 .203 .163 .147 .145 .166 .205 .203 .307 .357 .412 .301 .305 .203 .203 .204 .267 .203 .204 .267 .211 .170 .170 .170 .170	.267 .236 .195 .195 .195 .191 .091 .146 .181 .216 .257 .303 .357 .338 .339 .392 .338 .338 .3327 .284 .257 .267 .273 .267 .273 .267 .273 .274 .273 .275 .273 .275 .273 .275 .275 .275 .275 .275 .275 .275 .275	-208 -176 -167 -159 -149 -159 -1243 -276 -321 -362 -408 -400 -324 -327 -327 -327 -327 -327 -282 -292 -294 -2294 -252 -176 -176	*158 *150 *160 *174 *202 *232 *276 *330 *351 *373 *393 *405 *399 *399 *399 *300 *300 *320 *3304 *2280 *2280 *2248 *2252 *2264 *2274 *228	-272 -298 -324 -349 -373 -385 -403 -411 -429 -423 -419 -409 -397 -274 -278 -216 -180 -228 -248 -252 -256 -274	. 268 . 264 . 254 . 254 . 242 . 218 . 188 . 134 . 116 . 116 . 113 . 160 . 202 . 274 . 262 . 298 . 288 . 280 . 276 . 292 . 292	8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 375 328 330 335 332 . 244 . 206 . 180 . 194 . 228 . 280 . 288 294 266 232

Table 01 Concluded
Plate and Spoiler Pressure Coefficients

Configuration 2 M= 1.61 R= 0.14×10^6

		5 . 1	D 7 1	Plate	Pow 6 I	Pow 7	Row 9	Spoiler Orifice No.
x,in.	Row 0	Row !	Row 3	Row 4	Row 6	Row 7	NOW 9	Office 140.
				Λ= 60			A STATE OF THE PARTY OF THE PAR	
-6.000	008	•002	•025	•008	•026	• 284 • 284		1 •316 2 •320
-5.500	•004	•002	.019	•019 •046	•110 •236	.240		3 • 326
-5.000	.048	•019	•046		•264	.166		4 • 330
-4.500	•126	•097	•129	• 203	•252	.156	.212	5 • 326
-4.000	•191	•180	•230	.251	•232	•196	•218	6 •310
-3.500	•220	• 226	• 259	.249	•172	•280	•222	7 •120.
-3.000	•226	•234 •284	• 255 • 257	.238	.142	•326	.220	8304
-2.750	• 226	• 243	•247	.219	•134	•353	.218	9310
-2.500	•226		•228	•178	•142	•369	.212	10318
-2.250	• 245 • 199	•249 •232	•207	.151	•166	.365	.208	11337
-2.000	205	•205	.168	.154	•208	•371	.194	12 •230
-1.750 -1.500	.153	•153	•153	.167	•262	.365	.170	13 •224
-1.250	•106	•149	•153	•211	•312	.361	.136	14 •230
-1.000	.158	•191	•205	.284	•328	•359	.134	15 • 246
750	•232	• 255	.281	• 327	•343	•355	.150	16 • 262
625	•274	•292	•297	• 346	•337	.349	.170	17 •270
500	•309	•296	•319	• 348	•335	.339	.186	18 •194
375	•311	•336	•330	•348	•337	•341	.208	19 256
250	•319	• 334	•330	•362	•337	•337	• 222	20 232
125	•327		•330		•330		• 236	21 220
•000	• 363	• 375	•367	•370	•353	•357	• 240	22 -0254
•250	-,286	265	286	278			248	
•375	301	278	294	281	276		266	
•500	298	278	297	284	268		260	
• 750	317	263	286	267	262	262	254	
1.000	365	201	276	270	254	260	314	
1.250	383	319	297	-,290	258	246	308	
1.500	367	338	319	324	262	238	282	
1.750	075	309	335	332	246	216	274	
2.000	209	272	238	314	250	190	308	
2.250	093	205	303	310	278	168	308	
2.500	031	133	246	314	284	-,166	274	
2.750	002	079	205	306	274	198	208	
3.000	010	046	151	294	268	266	122	
3.500	012	008	032	220	272	278		
4.000	•000	•010	•005	142	298	298		
4.500	012	•017	.022	046	-+306	-#296		
5.000	006	060	•032	.038	298	252		
5.500	095	•031	•030	•062	274	238		
6.000	•006	•033	•027	•066	246	236		
				Λ= 7	5 °			
-6.000		-012	•023	•000	• 00 4	•116		1 .090
-6.000	•002							
-5.500	•002 •019	•012 •010		•005	•026	•180		2 •098
	•019 •044	•021	.023	.000	•094	.166		3 .126
-5.500	•019 •044 •075	•021 •066	•023 •064	.000 .076	•094 •132	•166 •142	.040	3 •126 4 •094
-5.500 -5.000 -4.500 -4.000	•019 •044 •075 •081	•021 •066 •095	.023 .064 .112	.000 .076	•094 •132 •130	•166 •142 •114	•060	3 • 126 4 • 094 5 • 078
-5.500 -5.000 -4.500 -4.000 -3.500	.019 .044 .075 .081	•021 •066 •095 •093	.023 .064 .112	.000 .076 .100 .097	•094 •132 •130 •112	•166 •142 •114 •100	•066	3 •126 4 •094 5 •078 6 •064
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000	.019 .044 .075 .081 .073	•021 •066 •095 •093 •095	.023 .064 .112 .112	.000 .076 .100 .097	•094 •132 •130 •112 •100	.166 .142 .114 .100	.066 .064	3 •126 4 •094 5 •078 6 •064 7 -•074
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750	.019 .044 .075 .081 .073 .073	.021 .066 .095 .093 .095	.023 .064 .112 .112 .017	.000 .076 .100 .097 .089	*094 *132 *130 *112 *100 *098	.166 .142 .114 .100 .088	.066 .064 .062	3 • 126 4 • 094 5 • 078 6 • 064 7 • 074 8 • 162
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500	.019 .044 .075 .081 .073 .073	.021 .066 .095 .093 .095 .147	.023 .064 .112 .112 .017 .077	.000 .076 .100 .097 .089 .086	.094 .132 .130 .112 .100 .098	.166 .142 .114 .100 .088 .092	.066 .064 .062	3 •126 4 •094 5 •074 6 •064 7 -074 8 -1162 9 -174
-5 • 500 -5 • 000 -4 • 500 -3 • 500 -3 • 000 -2 • 750 -2 • 500 -2 • 250	.019 .044 .075 .081 .073 .073 .056	.021 .066 .095 .093 .095 .147 .077	.023 .064 .112 .112 .017 .077 .075	.000 .076 .100 .097 .089 .086	.094 .132 .130 .112 .100 .098 .094	.166 .142 .114 .100 .088 .092 .086	.066 .064 .062 .070	3
-5 • 500 -5 • 000 -4 • 500 -4 • 000 -3 • 500 -2 • 750 -2 • 250 -2 • 250 -2 • 200	.019 .044 .075 .081 .073 .073 .056 .073 .110	.021 .066 .095 .093 .095 .147 .077 .104	.023 .064 .112 .112 .017 .077 .075 .075	.000 .076 .100 .097 .089 .086 .081	.094 .132 .130 .112 .100 .098 .094 .086	.166 .142 .114 .100 .088 .092 .086 .086	• 066 • 064 • 062 • 070 • 066 • 066	3 126 4 094 5 078 6 064 7 -074 8 -1162 9 -174 10 -2212 11 -258
-5.500 -5.000 -4.500 -4.000 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750	.019 .044 .075 .081 .073 .073 .056 .073 .110	.021 .066 .095 .093 .095 .147 .077 .104 .087	.023 .064 .112 .017 .077 .075 .075	.000 .076 .100 .097 .089 .086 .081 .081	.094 .132 .130 .112 .100 .098 .094 .086 .080	*166 *142 *114 *100 *088 *092 *086 *086 *090 *092	.066 .064 .062 .070 .066 .066	3 126 4 094 5 078 6 064 7 -074 8 -162 9 -174 10 -212 11 -258 12 076
-5.500 -5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.500 -1.750	.019 .044 .075 .081 .073 .073 .056 .073 .110 .064 .099	.021 .066 .095 .093 .095 .147 .077 .104 .087	.023 .064 .112 .112 .017 .077 .075 .075 .075	.000 .076 .100 .097 .089 .086 .081 .081	.094 .132 .130 .112 .100 .098 .094 .086 .080	.166 .142 .114 .100 .088 .092 .086 .096 .090	.066 .064 .062 .070 .066 .066	3
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -2.250 -1.500 -1.500 -1.250	**************************************	.021 .066 .095 .093 .095 .147 .077 .104 .087 .093	.023 .064 .112 .112 .017 .077 .075 .075 .075	.000 .076 .100 .097 .089 .086 .081 .081 .081	.094 .132 .130 .112 .100 .098 .094 .086 .080 .074 .082	.166 .142 .114 .100 .088 .092 .086 .096 .090 .092 .100	.066 .064 .062 .070 .066 .066 .070 .070	3 126 4 094 5 078 6 064 7 -074 8 -162 9 -174 10 -212 11 -258 12 076
-5.500 -5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000	.019 .044 .075 .081 .073 .073 .056 .073 .110 .064 .099 .079	.021 .066 .095 .093 .095 .147 .077 .104 .087 .093 .091	.023 .064 .112 .112 .017 .077 .075 .075 .075 .066 .066	.000 .076 .100 .097 .089 .086 .081 .081 .092 .089 .073	.094 .132 .130 .112 .100 .098 .094 .086 .080 .074 .082 .094	.166 .142 .114 .100 .088 .092 .086 .086 .090 .092 .100	.066 .064 .062 .070 .066 .066 .070 .070	3
-5.500 -5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.250 -1.250 -1.750	.019 .044 .075 .081 .073 .073 .056 .073 .110 .064 .099 .079 .0044 .068	.021 .066 .095 .093 .095 .147 .077 .104 .087 .093 .091 .097	.023 .064 .112 .112 .017 .075 .075 .075 .066 .064 .076	.000 .076 .100 .097 .089 .086 .081 .081 .092 .089 .073	.094 .132 .130 .112 .100 .098 .094 .086 .080 .074 .082 .094 .102	.166 .142 .114 .100 .088 .092 .086 .090 .092 .100 .104 .104	.066 .064 .062 .070 .066 .070 .070 .072 .070	3
-5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -3.625	.019 .044 .075 .081 .073 .073 .056 .073 .110 .064 .099 .079 .044 .068 .068	.021 .066 .095 .093 .095 .147 .077 .104 .087 .093 .091 .097 .085 .079	.023 .064 .112 .112 .017 .077 .075 .075 .075 .066 .064 .076	.000 .076 .100 .097 .089 .086 .081 .092 .073 .084 .095	.094 -132 -130 -112 -100 -098 -094 -086 -080 -074 -102 -106 -104	.166 .142 .114 .100 .088 .092 .086 .090 .092 .100 .104 .104	.066 .064 .062 .070 .066 .066 .070 .070	3
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.500 -1.500 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	019 044 075 081 073 056 073 056 073 110 064 099 079 044 068 068	.021 .066 .095 .093 .095 .147 .077 .104 .087 .093 .091 .097 .085 .079	.023 .064 .112 .112 .017 .075 .075 .075 .066 .066 .066	.000 .076 .100 .097 .086 .081 .081 .092 .089 .073 .084 .095	.094 4132 4130 4112 1100 698 6080 6080 6074 6082 6094 1106 1104	.166 .142 .114 .100 .088 .092 .086 .090 .092 .100 .104 .104 .104	.066 .064 .062 .070 .066 .066 .070 .072 .070 .084	3 126 4 094 5 1078 6 1064 7 -074 8 -162 9 -174 10 -212 11 -258 12 076 13 078 14 084 15 090 16 092 17 080
-5.500 -6.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.000 -1.750 -1.500 -1.500 -7.50 -1.500 -7.50 -1.500 -7.750 -7.750 -7.750 -7.750 -7.750 -7.750 -7.750 -7.750 -7.750 -7.750 -7.750 -7.750 -7.750 -7.750 -7.750 -7.750	019 044 075 081 073 073 056 073 110 064 099 079 044 068 4068	.021 .066 .095 .093 .095 .147 .077 .104 .087 .093 .091 .097 .085 .079 .091	.023 .0064 .112 .112 .017 .077 .075 .075 .075 .066 .066 .064 .076 .078	.000 .076 .100 .097 .089 .086 .081 .081 .092 .089 .073 .084 .095	094 132 130 112 100 098 094 086 080 074 082 102 106 104 106	166 142 114 100 088 092 086 090 092 100 104 104	.066 .064 .062 .070 .066 .066 .070 .072 .070 .084 .058	3
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.600 -2.750 -2.500 -2.250 -1.500 -1.500 -1.500 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550	019 044 075 081 073 073 056 073 110 064 099 079 044 068 068 068 081	.021 .066 .095 .093 .095 .147 .077 .104 .087 .093 .091 .097 .085 .079	.023 .064 .112 .017 .077 .075 .075 .075 .075 .066 .064 .078 .078 .078	.000 .076 .100 .097 .086 .081 .081 .092 .089 .073 .084 .095	094 132 130 112 100 098 094 086 080 074 106 104 106 104 106 104 108	.166 .142 .114 .100 .088 .092 .086 .090 .092 .100 .104 .104 .104	.066 .064 .062 .070 .066 .070 .072 .070 .064 .058	3
-5.500 -6.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -3.7	019 044 075 073 073 073 056 073 110 064 099 079 044 068 081 095 087	.021 .066 .095 .093 .095 .147 .077 .104 .087 .093 .091 .097 .085 .079 .091	.023 .0064 .112 .112 .017 .077 .075 .075 .075 .066 .066 .064 .076 .078 .078	.000 .076 .100 .097 .089 .086 .081 .081 .092 .089 .073 .084 .095	094 132 130 112 100 098 094 086 080 074 082 102 106 104 106	166 142 114 100 088 092 086 090 092 100 104 104	.066 .064 .062 .070 .066 .066 .070 .072 .070 .084 .058	3
-5,500 -6,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,250 -2,000 -1,750 -1,500 -1,250 -1,000 -750 -3,7	019 0044 0075 0081 0073 0073 0056 0073 1110 0064 0099 0079 0044 0068 0081 0095 0081 0095 0081 0095	.021 .066 .095 .093 .095 .147 .077 .104 .087 .093 .091 .097 .085 .079 .091 .086 .104	.023 .064 .112 .017 .077 .075 .075 .075 .066 .064 .078 .078 .078 .092 .097	.000 .076 .100 .097 .089 .086 .081 .081 .092 .089 .073 .084 .095 .095 .095	094 132 130 112 100 098 094 086 080 074 082 1094 104 106 104 108	166 142 114 100 088 092 086 096 090 100 104 104 100 104 100 104	.066 .064 .062 .070 .066 .066 .070 .072 .070 .084 .058 .064 .070 .074 .078	3
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.600 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -7.500 -7.500 -3.750 -2.500 -3.750 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.750 -3.500 -3.750 -3	019 044 075 081 073 073 056 073 110 064 099 079 044 068 081 095 087	.021 .066 .095 .093 .095 .147 .077 .104 .087 .093 .091 .097 .085 .079 .081 .106 .104	.023 .064 .112 .112 .017 .075 .075 .075 .075 .066 .064 .078 .078 .086 .092 .097 .176	.000 .076 .100 .097 .089 .081 .081 .092 .089 .073 .084 .095 .095 .097 .103	094 132 130 112 100 098 094 086 080 074 082 094 106 104 104 104 108	166 142 114 100 088 092 086 096 090 100 104 104 100 104 100 104	.066 .064 .062 .070 .066 .066 .070 .070 .072 .070 .088 .064 .070 .074 .078	3
-5.500 -6.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -5000 -375 -125 -1000 -375 -125 -1000 -375 -375 -375	.019 .044 .075 .073 .073 .073 .073 .073 .073 .079 .110 .064 .099 .079 .044 .068 .081 .095 .087 .093 .102 .182	.021 .066 .095 .093 .095 .147 .077 .104 .087 .093 .091 .097 .085 .079 .081 .106 .104	.023 .064 .112 .117 .077 .075 .075 .075 .066 .064 .076 .078 .078 .078 .092 .097 .097 .176	.000 .076 .100 .097 .089 .081 .081 .092 .089 .073 .084 .095 .095 .095 .097 .103 .124	.094 .132 .130 .112 .100 .098 .094 .086 .080 .074 .102 .104 .104 .104 .104 .104	166 142 114 100 088 092 086 096 090 100 104 104 100 104 100 104	.066 .064 .062 .070 .086 .086 .070 .070 .072 .070 .084 .088 .084 .070 .078 .088	3
-5.500 -6.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -3.75 -2.50 -2.000 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -3.500	.019 .044 .075 .081 .073 .073 .056 .073 .110 .064 .099 .079 .044 .068 .081 .095 .087 .093 .102 .182 -163 -1178	.021 .066 .095 .093 .095 .097 .077 .104 .087 .093 .091 .097 .085 .079 .081 .106 .104	.023 .064 .112 .112 .017 .077 .075 .075 .075 .066 .064 .078 .086 .092 .097 .097 .176	.000 .076 .100 .097 .089 .086 .081 .081 .092 .089 .073 .084 .095 .095 .095 .097 .103 .124	094 132 130 112 100 098 094 086 080 074 0882 094 106 104 104 108 107 -110	166 1142 114 100 088 092 086 096 099 100 104 104 100 108 168	.066 .064 .062 .070 .066 .066 .070 .070 .072 .070 .084 .088 .064 .070 .078 .080	3
-5.500 -6.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.250 -1.000 -375 -5.000 -375 -5.000 -375 -5.000 -375 -5.000 -375 -5.000	.019 .044 .075 .073 .073 .073 .073 .056 .073 .010 .064 .099 .079 .044 .068 .081 .095 .087 .097 .016 .087 .097 .016 .087 .097 .017 .097 .016 .087 .087 .097 .097 .097 .097 .097 .097 .097 .09	.021 .066 .095 .093 .093 .095 .147 .077 .104 .087 .093 .091 .097 .085 .079 .085 .079 .081 .106 .104	.023 .064 .112 .017 .077 .075 .075 .075 .066 .064 .078 .078 .078 .092 .097 .097 .176	.000 .076 .100 .077 .089 .086 .081 .081 .092 .089 .073 .084 .095 .095 .097 .103 .124 .176	.094 .132 .130 .112 .100 .098 .094 .086 .080 .074 .022 .094 .106 .104 .104 .104 .107 .108	-166 -142 -114 -100 -088 -092 -086 -086 -090 -092 -100 -104 -102 -100 -168	.066 .064 .062 .070 .086 .086 .070 .070 .072 .070 .084 .058 .064 .070 .074 .078 .080 -214 -206 -192 -164	3
-5.500 -6.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.250 -2.000 -1.750 -1.500 -1.250	019 044 075 081 073 073 073 073 1056 073 110 064 099 079 044 068 081 095 087 093 102 182 -160 -153 -178 -218	.021 .066 .095 .093 .095 .097 .017 .007 .0081 .097 .085 .079 .081 .106 .104 .191	.023 .064 .112 .112 .017 .077 .075 .075 .075 .066 .064 .078 .078 .086 .092 .097 .176	.000 .076 .100 .097 .089 .081 .081 .081 .092 .089 .073 .084 .095 .095 .097 .103 .124	094 132 130 112 100 098 094 086 080 074 082 094 106 106 104 107 106 104 107 107 108 107 108 108 109 109 109 109 109 109 109 109 109 109	-166 -142 -114 -100 -088 -092 -086 -086 -099 -100 -104 -104 -102 -100 -168	.066 .064 .062 .070 .066 .066 .070 .070 .072 .070 .058 .064 .078 .080214206192164134	3
-5,500 -6,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,250 -2,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -3,75 -1,25 -1,000 -3,75 -1,25 -1,000 -3,75 -1,25 -1,000 -3,75 -1,000 -3,	.019 .044 .075 .073 .073 .073 .073 .073 .073 .073 .073	.021 .006 .005 .0093 .0093 .0095 .147 .0077 .104 .0091 .0091 .0091 .0091 .0091 .106 .104 .191 .137 .137 .137 .153 .240 .2122 .1311	.023 .064 .112 .017 .077 .075 .075 .075 .066 .064 .078 .078 .078 .092 .097 .097 .176 .146 .143 .154 .232 .278	.000 .076 .100 .077 .889 .086 .081 .081 .092 .089 .073 .084 .095 .097 .103 .124 .176 -135 -130 -132 -151 -200	.094 .132 .130 .112 .100 .098 .094 .086 .080 .074 .102 .106 .104 .104 .104 .107 .108 .104 .170	-166 -142 -114 -100 -088 -092 -086 -086 -099 -100 -104 -100 -104 -100 -1068	.066 .064 .062 .070 .066 .086 .070 .070 .070 .072 .070 .084 .058 .064 .070 .074 .078 .080	3
-5.500 -6.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.250 -2.000 -1.750 -1.500 -1.250	019 044 075 081 073 073 073 073 0756 073 110 064 099 079 044 068 081 095 087 093 1102 182 -160 -153 -178 -218 -218 -218	.021 .006 .0095 .0093 .0095 .147 .0077 .104 .087 .0091 .0091 .0097 .0085 .0079 .0081 .106 .104 .191 .137 .137 .153 .240 .122 .131 .122 .131 .058	.023 .064 .112 .017 .077 .075 .075 .075 .066 .064 .078 .078 .086 .092 .097 .176 .143 .1154 .232 .278 .2278	.000 .076 .100 .097 .089 .086 .081 .081 .092 .089 .073 .084 .095 .097 .103 .124 .176 -135 -130 -132 -151 -200 -208	094 132 130 112 100 098 094 086 080 074 108 100 100 100 100 100 100 100 100 100	-166 -142 -114 -100 -088 -092 -086 -086 -096 -100 -104 -100 -104 -100 -168	.066 .064 .062 .070 .066 .066 .070 .070 .072 .070 .058 .064 .078 .080214206192164134082	3
-5.500 -6.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.250 -2.000 -1.750 -1.500 -1.250 -1.750 -625 -500 -375 -250 -250 -375 -250 -1250	.019 .044 .075 .081 .073 .073 .056 .073 .056 .073 .010 .064 .099 .079 .044 .068 .081 .095 .087 .097 .102 .1182 .1182 .1183 .178 .218 .218 .218 .337 .160	.021 .066 .095 .093 .093 .095 .147 .077 .104 .087 .093 .091 .097 .085 .079 .091 .106 .104 .191 .137 .137 .153 .240 .122 .131 .058	.023 .064 .112 .017 .077 .075 .075 .075 .066 .064 .078 .088 .078 .092 .097 .176 .143 .143 .154 .222 .278 .278 .249	.000 .076 .100 .077 .889 .086 .081 .081 .092 .089 .073 .084 .095 .097 .103 .124 .176 -135 -130 -132 -151 -200 -204 -208 -180	.094 .132 .130 .112 .100 .098 .094 .086 .080 .074 .082 .094 .106 .104 .104 .107 .110 -110 -110 -104 -090 .066 .022 .000 .030	-166 -142 -114 -100 -088 -092 -086 -086 -099 -100 -104 -100 -104 -100 -1068	.066 .064 .062 .070 .066 .086 .070 .070 .071 .072 .070 .084 .058 .064 .070 .074 .078 .080	3
-5,500 -6,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,250 -2,000 -1,750 -1,500 -1,250 -1,000 -750 -3,75 -2,500 -3,75 -2,500 -3,75 -3	.019 .044 .075 .073 .073 .073 .073 .0756 .073 .0110 .064 .099 .079 .044 .068 .081 .095 .087 .102 .182 -160 .153 -178 -1153 -178 -1153 -178 -1160 .037 .160	.021 .066 .005 .007 .007 .104 .087 .007 .0081 .007 .0081 .106 .104 .191 .137 .137 .153 .240 .122 .131 .058 .010	.023 .064 .112 .112 .017 .077 .075 .075 .075 .076 .066 .064 .078 .078 .086 .092 .097 .097 .176 .146 143 232 278 228 278 278 278 278 278 278 278 279 	.000 .076 .100 .097 .089 .088 .081 .081 .092 .089 .073 .084 .095 .095 .097 .103 .124 .176 -135 -130 -132 .151 -200 -204 -208 -180 -136	.094 .132 .130 .112 .100 .098 .094 .086 .080 .074 .102 .106 .104 .104 .107 .110110104 .098 .094 .000 .000 .000	-166 -142 -114 -100 -088 -092 -086 -096 -099 -100 -104 -104 -102 -100 -168	.066 .064 .062 .070 .066 .066 .070 .070 .072 .070 .064 .058 .064 .070 .074 .078 .080 -192 -164 -134 -082 -026 .038 .068	3
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.600 -2.750 -2.250 -2.000 -1.750 -1.500 -1.500 -1.500 -3.75 -2.50 -2.50 -2.000 -3.75 -2.50 -3.75 -2.50 -3.75 -3.500 -3.500 -	.019 .044 .075 .081 .073 .073 .073 .075 .011 .064 .099 .079 .044 .068 .081 .095 .087 .093 .102 .1182 -1163 -178 -178 -1181 -191 -015 .037 .166 -068	.021 .066 .095 .093 .095 .147 .077 .104 .087 .093 .091 .097 .085 .079 .081 .106 .104 .191 .137 .153 .240 .122 .131 .058 .019	.023 .064 .112 .112 .017 .075 .075 .075 .075 .066 .064 .078 .087 .097 .176 .097 .176 .143 .154 .232 .278 .278 .279 .197	.000 .076 .100 .077 .889 .086 .081 .081 .092 .089 .073 .084 .095 .097 .103 .124 .176 -135 -130 -122 -151 -200 -204 -208 -180 -1380 -088	.094 .132 .130 .112 .100 .098 .094 .086 .080 .074 .082 .094 .106 .104 .104 .104 .108 .104 .107 .110 .104 .090 .000 .000 .000 .000	-166 -142 -114 -100 -088 -092 -086 -096 -097 -100 -104 -104 -102 -100 -168 -078 -078 -048 -004 -046 -028	.066 .064 .062 .070 .066 .066 .070 .070 .071 .072 .070 .084 .058 .064 .070 .074 .078 .080 .014 .090 .090 .090 .090 .090 .090 .090 .09	3
-5,500 -6,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,250 -2,000 -1,750 -1,500 -1,250 -1,000 -750 -625 -500 -375 -250 -129 -000 -1250	.019 .044 .075 .081 .073 .073 .073 .073 .076 .079 .0110 .064 .099 .079 .044 .068 .081 .095 .081 .095 .182 -160 .153 -178 -1218 -131 -1015 .087 .089 .081 .095	.021 .066 .095 .093 .093 .095 .147 .077 .104 .087 .093 .091 .097 .085 .079 .091 .106 .104 .191 .137 .153 .244 .122 .131 .058 .010 .019 .027 .031	.023 .064 .112 .112 .017 .077 .075 .075 .075 .076 .066 .064 .078 .078 .086 .097 .097 .176 .146 .092 .097 .176 .149 .149 .149 .149 .149 .149 .149 .149	.000 .076 .100 .077 .089 .086 .081 .081 .092 .089 .073 .084 .095 .095 .097 .103 .124 .176 -135 -130 -132 -151 -200 -204 -208 -180 -136 -088	.094 .132 .130 .112 .100 .098 .094 .086 .080 .074 .022 .106 .104 .104 .170 -110 -104 .170 -110 -106 -009 -009 -009 -001	-166 -142 -114 -100 -088 -092 -086 -086 -090 -104 -104 -100 -104 -100 -168 -078 -048 -046 -046 -028 -028	.066 .064 .062 .070 .066 .066 .070 .070 .072 .070 .064 .058 .064 .070 .074 .078 .080 -192 -194 -134 -082 -026 .038 .068 .068	3
-5.500 -6.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500	.019 .044 .075 .081 .073 .073 .073 .073 .056 .073 .110 .064 .099 .079 .044 .068 .081 .095 .087 .093 .102 .182 -118 -118 -1178 -218 -1178 -218 -105 .037 .160 .068 -068 -039	.021 .066 .095 .093 .095 .147 .077 .104 .087 .093 .091 .097 .081 .106 .104 .191 .137 .153 .240 .122 .131 .058 .019 .027 .031	.023 .064 .112 .112 .017 .077 .075 .075 .075 .066 .064 .078 .086 .092 .097 .097 .176 .143 .154 .232 .278 .249 .194 .095 .099 .099	.000 .076 .100 .077 .889 .081 .081 .092 .089 .073 .084 .095 .097 .103 .124 .176 .135 .130 .132 .151 .200 .204 .208 .186 .088	.094 .132 .130 .112 .100 .098 .094 .086 .080 .074 .082 .094 .106 .104 .104 .108 .104 .107 .110 -110 -104 -090 .006 .000 .030 .000 .000 .000 -0004 -018	-166 -142 -114 -100 -088 -092 -086 -096 -097 -100 -104 -104 -102 -100 -168 -078 -078 -048 -004 -046 -028 -028 -016	.066 .064 .062 .070 .066 .066 .070 .072 .070 .064 .088 .064 .070 .074 .078 .080214206192164134082088 .066 .066 .060	3
-5.500 -6.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -1250 -	.019 .044 .075 .073 .073 .073 .073 .073 .076 .079 .0110 .064 .099 .079 .044 .068 .081 .095 .081 .095 .102 .1182 -1160 -1153 -1178 -1218 -131 -1015 .087 .089 .081 .095	.021 .066 .095 .093 .093 .095 .147 .077 .104 .087 .093 .091 .097 .085 .079 .091 .106 .104 .191 .137 .153 .244 .122 .131 .058 .010 .027 .031 .035 .035	.023 .064 .112 .112 .017 .077 .075 .075 .066 .064 .078 .078 .078 .088 .092 .097 .097 .176 .143 .154 .232 .278 .154 .065 .092 .097 .097 .097	.000 .076 .100 .077 .889 .086 .081 .081 .092 .089 .073 .084 .095 .097 .103 .124 .176 -135 -130 -132 -151 -200 -180 -180 -188 -040 -008	.094 .132 .130 .112 .100 .098 .094 .086 .080 .074 .022 .106 .104 .104 .170 -110 -104 .170 -110 -106 -009 -009 -009 -009 -0018 -0018 -0018	078078078078078078078048028016016	.066 .064 .062 .070 .066 .066 .070 .070 .072 .070 .064 .058 .064 .070 .074 .078 .080 -192 -194 -134 -082 -026 .038 .068 .068	3
-5.500 -6.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.250 -2.000 -1.750 -1.500 -1.250	.019 .044 .075 .081 .073 .073 .073 .073 .056 .073 .110 .064 .099 .079 .044 .068 .081 .095 .087 .093 .102 .182 -118 -118 -1178 -1181 -1181 -015 .037 .160 .068 -068 -039 -023	.021 .006 .009 .0093 .0095 .147 .0077 .104 .0097 .0091 .0091 .0091 .0091 .0091 .0091 .0191	.023 .064 .112 .112 .017 .077 .075 .075 .075 .066 .064 .078 .086 .092 .097 .176 .143 .154 .232 .278 .249 .197 .095 .097 .097	.000 .076 .100 .077 .889 .086 .081 .081 .092 .089 .073 .084 .095 .097 .103 .124 .176 .135 .130 .132 .151 .200 .204 .208 .186 .088 .040 .032 .044	.094 .132 .130 .132 .130 .098 .094 .086 .080 .074 .082 .094 .106 .104 .104 .108 .104 .107 .110 -110 -104 -090 .020 .020 .020 -004 -018 .000 .052	-166 -142 -114 -100 -088 -092 -086 -096 -099 -100 -104 -104 -102 -100 -168078078048048046028016116116	.066 .064 .062 .070 .066 .066 .070 .072 .070 .064 .088 .064 .070 .074 .078 .080214206192164134082088 .066 .066 .060	3
-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.750 -1.5500 -1.750 -1.500 -1.250 -1.000 -750 -1.250 -1.000 -750 -1.250 -1.000 -750 -1.250 -1.000 -750 -1.250 -1.750 -1.250 -1.750 -1.250 -1	.019 .044 .075 .073 .073 .073 .073 .073 .073 .073 .073	.021 .006 .009 .0093 .0093 .0095 .147 .0077 .104 .0087 .0093 .0091 .0091 .0091 .0081 .106 .104 .191 .137 .137 .153 .240 .122 .131 .0058 .019 .027 .031 .035 .035 .035	.023 .064 .112 .112 .017 .077 .075 .075 .075 .066 .064 .078 .078 .088 .092 .097 .176 .146 .143 .154 .232 .278 .154 .065 .092 .097 .176 .066	.000 .076 .100 .077 .889 .086 .081 .081 .092 .089 .073 .084 .095 .097 .103 .124 .176 -135 -130 -132 -151 -200 -1204 -208 -180 -1088 -004 .0032	-094 -132 -130 -112 -100 -098 -094 -086 -0880 -074 -082 -094 -106 -104 -104 -107 -110 -110 -104 -090 -0020 -004 -018 -006 -002 -004 -018 -0052 -0054	078078078078078078078048028016116104028016116078	.066 .064 .062 .070 .066 .066 .070 .072 .070 .064 .088 .064 .070 .074 .078 .080214206192164134082088 .066 .066 .060	3
-5,500 -6,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,250 -2,000 -1,750 -1,500 -1,250 -1	.019 .044 .075 .073 .073 .073 .073 .073 .076 .073 .076 .079 .044 .068 .081 .095 .087 .093 .102 .182 -160 -1153 -178 -2181 -015 .037 .160 .068 .089 .089 .093 .002 .002	.021 .006 .0095 .0093 .0095 .147 .0077 .104 .0087 .0091 .0097 .0085 .0079 .0081 .106 .104 .104 .191 .153 .240 .122 .131 .058 .010 .027 .035 .035 .035 .035 .035 .035	.023 .064 .112 .112 .017 .077 .075 .075 .075 .066 .064 .078 .078 .086 .092 .097 .176 .143 .154 .232 .278 .2194 .197 .197 .059 .059 .059 .059 .059 .059 .059 .059	.000 .076 .100 .077 .089 .086 .081 .081 .092 .089 .073 .084 .095 .097 .103 .124 .176 -135 -130 -132 -151 -200 -204 .180 -136 -088 -040 .032 .044 .040	.094 .132 .130 .112 .200 .098 .094 .086 .080 .074 .082 .094 .106 .104 .104 .108 .104 .104 .108 .107 .104 .109 .106 .104 .108 .107 .106 .100 .106 .100 .106 .100 .106 .100 .106 .100 .106 .100 .106 .100 .106 .100 .106 .100 .106 .100 .106 .100 .106 .100 .106 .100 .100	-166 -142 -114 -100 -088 -092 -086 -096 -099 -100 -104 -104 -100 -168078078048016116104082016116104082194	.066 .064 .062 .070 .066 .066 .070 .072 .070 .064 .088 .064 .070 .074 .078 .080214206192164134082088 .066 .066 .060	3
-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.750 -1.5500 -1.750 -1.500 -1.250 -1.000 -750 -1.250 -1.000 -750 -1.250 -1.000 -750 -1.250 -1.000 -750 -1.250 -1.750 -1.250 -1.750 -1.250 -1	.019 .044 .075 .073 .073 .073 .073 .073 .073 .073 .073	.021 .006 .009 .0093 .0093 .0095 .147 .0077 .104 .0087 .0093 .0091 .0091 .0091 .0081 .106 .104 .191 .137 .137 .153 .240 .122 .131 .0058 .019 .027 .031 .035 .035 .035	.023 .064 .112 .112 .017 .077 .075 .075 .075 .066 .064 .078 .078 .088 .092 .097 .176 .146 .143 .154 .232 .278 .154 .065 .092 .097 .176 .066	.000 .076 .100 .077 .889 .086 .081 .081 .092 .089 .073 .084 .095 .097 .103 .124 .176 -135 -130 -132 -151 -200 -1204 -208 -180 -1088 -004 .0032	-094 -132 -130 -112 -100 -098 -094 -086 -0880 -074 -082 -094 -106 -104 -104 -107 -110 -110 -104 -090 -0020 -004 -018 -006 -002 -004 -018 -0052 -0054	078078078078078078078048028016116104028016116078	.066 .064 .062 .070 .066 .066 .070 .072 .070 .064 .088 .064 .070 .074 .078 .080214206192164134082088 .066 .066 .060	3

Table 02 Plate and Spoiler Pressure Coefficients

Configuration 2 M= 1.61 R= 0.23 x 106

			uration 2						
				Plote				Spo	iler
x,in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	00 0				
-6.000	001	•005	•012	•288	•388	•369		1	•528
-5.500	•002	•002	•058	• 353	•396	• 366		2	• 467
-5.000	•006	•052	•318	• 374	•403	•360		3	• 453
-4.500	•271	•313	•377	• 392	•411	•358	250	4	• 480
-4.000	•359	•373	•399	• 393	•412	•359	•358	5	•538
-3.500	•385	•390	•408	• 403	•411	• 363	•388	6	.636
-3.000	•396	•399	•413	• 403	• 406	•371	•396	7	• 599
-2.750	•401	•414	409	• 405	• 403	•372	•399	8	352
-2.500	•401	• 405	•411	•403	• 395	•378	• 405	9	352 352
-2.250 -2.000	•413	•414	•413	•400	•387	•383	•403		
-1.750	• 403 • 410	•410 •410	•409	•395 •387	•382 •382	• 406	• 406 • 402	11 12	351 .539
-1.500	•400	•401	•388	•374	•382	•425	• 395	13	.468
-1.250	•360	.389	•378	• 369	•390	.447	•378	14	. 447
-1.000	•378	•377	•369	•372	• 405	.484	•364	15	.483
750	•375	•375	•374	•387	.433	•521	•358	16	.550
625	•380	•383	•382	• 405	.454	•549	•369	17	.657
500	• 396	• 386	•405	• 429	.484	•563	•384	18	.712
375	•419	•427	• 436	• 465	.520	•591	•418	19	347
250	•466	.478	•489	•521	•572	•596	.477	20	346
125	•560		•568		•597		•575	21	347
•000	•573	•574	•570	•572	•580	•578	•582	22	347
• 250	352	349	355	350			347		
•375	350	352	355	356	337		352		
•500	357	352	359	356	340		354		
• 750	359	354	356	351	343	342	354		
1.000	350	306	359	356	342	343	347		
1.250	336	334	347	336	343	346	325		
1.500	316	306	325	328	343	345	300		
1.750	183	280	296	316	343	341	269		
2.000	251	240	240	299	340	342	238		
2.250	215	206	238	281	333	343	205		
2.500	191	178	214	263	323	342	179		
2.750	165	153	194	238	307	343	152		
3.000	144	132	175	216	295	346	132		
3.500	112	107	131	172	263	346			
4.000	083	082	108	139	228	337			
4.500	073	070	089	106	196	331			
5.000	062	060	071	082	169	322			
5.500	062	047	057	058	139	295			
6.000	052	039	040	042	098	251			
				Λ= 1	5 °				
-6.000	•002	•005	•015	•309	•383	•303		1	.514
-5.500	•000	•005	•195	• 356	•382	•294		2	.461
-5.000	•060	•170	•333	•368	•381	•294		3	• 447
-4.500	•292	•321	• 364	• 376	•379	•304		4	. 466
-4.000	•344	• 355	• 369	•368	•372	•311	•358	5	.516
-3.500	•359	• 364	• 374	•371	•372	•323	•376	6	.591
-3.000	•377	• 375	•374	•372	•372	.339	•379	7	•526
-2.750	*377	• 385	•377	•372	•372	•343	•381	8	347
-2.500	*379	•380	•379	• 374	•370	•346	•387	9	347
-2.250	•391	• 386	•379	•368	•369	•349	•385	10	347
-2.000	•379	•388	•383	•371	•369	•349	•387	11	343
-1.750	•389	•389	•383	• 374	• 361	•358	•383	12	•503
-1.500	•386	•388	• 377	• 368	•355	•373	•373	13	• 442 • 421
-1.250	4340	*379	• 364	• 356	• 355	•395	•361	14	
-1.000	• 358	• 359	•351	• 351	•369 •397	•432 •485	•348 •346	15	. 454
750	• 350	• 354	•355 •364	• 364	0271			10	
625									•508
625	•362	• 363		• 381	• 425	•511	•353	17	.599
500	•380	•372	•385	•406	• 425 • 456	•511 •538	•353 •366	17 18	.599 .648
500 375	*380 *408	• 372 • 415	•385 •418	• 406 • 445	• 425 • 456 • 496	•511 •538 •566	•353 •366 •395	17 18 19	•599 •648 -•342
500 375 250	•380 •408 •457	•372	•385 •418 •473	•406	.425 .456 .496	•511 •538	•353 •366 •395 •451	17 18 19 20	.599 .648 342 341
500 375	*380 *408	• 372 • 415	•385 •418	• 406 • 445	• 425 • 456 • 496	•511 •538 •566	•353 •366 •395	17 18 19	•599 •648 -•342
500 375 250 125 .000	• 380 • 408 • 457 • 548 • 553	• 372 • 415 • 463	• 385 • 418 • 473 • 552 • 552	• 406 • 445 • 505	.425 .456 .496 .549	•511 •538 •566 •570	• 353 • 366 • 395 • 451 • 536 • 538	17 18 19 20 21	.599 .648 342 341 341
500 375 250 125 .000	• 380 • 408 • 457 • 548 • 553	•372 •415 •463 •558	• 385 • 418 • 473 • 552 • 552	• 406 • 445 • 505 • 557	. 425 . 456 . 496 . 549 . 572 . 560	•511 •538 •566 •570	• 353 • 366 • 395 • 451 • 536 • 538	17 18 19 20 21	•599 •648 -•342 -•341 -•341
500 375 250 125 .000	• 380 • 408 • 457 • 548 • 553 • • 347 • • 343	•372 •415 •463 •558 ••343 ••348	.385 .418 .473 .552 .552	• 406 • 445 • 505 • 557 • • 340 • • 345	• 425 • 456 • 496 • 549 • 572 • 560	•511 •538 •566 •570	• 353 • 366 • 395 • 451 • 536 • 538	17 18 19 20 21	•599 •648 -•342 -•341 -•341
- 500 - 375 - 250 - 125 000 250 - 375 - 500	• 380 • 408 • 457 • 548 • 553 • • 347 • • 343 • • 353	•372 •415 •463 •558 -•343 -•348 -•347	.385 .418 .473 .552 .552 -348 -355 -353	• 406 • 445 • 505 • 557 • • 340 • • 345 • • 350	. 425 . 456 . 496 . 549 . 572 . 560	•511 •538 •566 •570	• 353 • 366 • 395 • 451 • 538 • 538 • • 339 • • 345	17 18 19 20 21	•599 •648 -•342 -•341 -•341
- 500 - 375 - 250 - 125 000 250 - 375 - 500 - 750	• 380 • 408 • 457 • 548 • 553 • • 347 • • 353 • • 350	• 372 • 415 • 463 • 558 • 343 • 347 • 352	• 385 • 418 • 473 • 552 • 552 • 348 • 355 • 353 • 353	• 406 • 445 • 505 • 557 • 340 • 345 • 350 • 348	. 425 . 456 . 496 . 549 . 572 . 560	•511 •538 •566 •570 •561	• 353 • 366 • 395 • 451 • 536 • 538 • • 339 • • 345 • • 345	17 18 19 20 21	•599 •648 -•342 -•341 -•341
500 375 250 125 .000 .250 .375 .500 .750 1.000	.380 .408 .457 .548 .553 .347 .343 .353 .350	• 372 • 415 • 463 • 558 • 343 • 348 • 347 • 352 • 306	.385 .418 .473 .552 .552 -355 -355 -355 -355 -355	. 406 . 445 . 505 . 557 - 340 - 345 - 350 - 348 - 348	. 425 . 456 . 496 . 549 . 572 . 560	•511 •538 •566 •570 •561	• 353 • 366 • 395 • 451 • 536 • 538 • • 339 • • 345 • • 345 • • 340	17 18 19 20 21	•599 •648 -•342 -•341 -•341
500 375 250 125 .000 .250 .375 .500 .750 1.000 1.250	.380 .408 .457 .548 .553 .347 .343 .353 .350 .344	• 372 • 415 • 463 • 558 • 343 • 348 • 347 • 352 • 306 • 332	.385 .418 .473 .552 .552 -348 -355 -353 -353 -356 -348	• 406 • 445 • 505 • 557 • 340 • 345 • 350 • 348 • 331	. 425 . 456 . 496 . 549 . 572 . 560 334 336 334	•511 •538 •566 •570 •561	• 353 • 366 • 395 • 451 • 538 • 538 • • 339 • • 342 • • 3442 • • 340 • • 328	17 18 19 20 21	•599 •648 -•342 -•341 -•341
500 375 250 125 000 250 375 500 375 500 350 350 350 350 350 350 350 350 350 375 350 375 350 375 350 375 350 375 350 375 350 375 350 375 350 375 350 375 350 375 350 375 350 375 350 	.380 .408 .457 .548 .553 347 343 353 350 344 332	*372 *415 *463 *558 -343 -347 -352 -306 -332 -311	.385 .418 .473 .552 .552 .552 -348 -355 -353 -353 -356 -348	.406 .445 .505 .557 -340 -345 -350 -348 -348 -331 -327	. 425 . 456 . 496 . 549 . 550 - 334 - 334 - 336 - 335	•511 •538 •566 •570 •561 -•336 -•336 -•335 -•335	• 353 • 366 • 395 • 451 • 538 • • 339 • • 345 • • 345 • • 345 • • 340 • • 328 • • 304	17 18 19 20 21	•599 •648 -•342 -•341 -•341
500 375 250 125 000 375 500 750 1-250 1-500 1-750	*380 *408 *457 *548 *553 *347 *343 *353 *350 *350 *344 *332 *309 *180	• 372 • 415 • 463 • 558 • 343 • 348 • 347 • 352 • 306 • 332 • • 311 • • 286	.385 .418 .473 .552 .552 -348 -355 -353 -356 -348 -329 -311	. 406 . 445 . 505 . 557 - 340 - 345 - 350 - 348 - 331 - 327 - 318	. 425 . 456 . 496 . 549 . 5572 . 560 334 336 335 336	•511 •538 •566 •570 •561 -336 -335 -335 -335	• 353 • 366 • 395 • 451 • 538 • • 339 • • 345 • • 345 • • 328 • • 328 • • 327	17 18 19 20 21	.599 .648 342 341 341
500 375 250 125 000 250 375 500 750 1-000 1-250 1-500 1-750 2-500 2-	.380 .408 .457 .548 .553 347 353 353 350 344 332 309 180	*372 *463 *558 *343 *343 *347 *352 *330 *332 *331 *286 *253	**385 **418 **473 **552 **552 **348 **353 **353 **353 **353 **3548 **329 **311 **254	*406 *445 *505 *557 -340 -345 -350 -348 -348 -327 -318 -304	. 425 . 446 . 446 . 549 . 572 . 560 - 334 - 336 - 336 - 335 - 336 - 336 - 336	•511 •538 •566 •570 •561 -336 -335 -335 -335 -335	• 353 • 366 • 395 • 451 • 538 • 538 • • 3345 • • 345 • • 346 • • 340 • • 328 • • 328 • • 247	17 18 19 20 21	.599 .648 342 341 341
-500 -375 -250 -125 -000 -250 -375 -500 -750 1.000 1.250 1.750 2.000 2.250	**380 **408 **457 **548 **553 ***347 **343 **353 **350 **354 **332 **309 **180 **246 **212	*372 *463 *558 -3443 -347 -347 -352 -306 -332 -311 -286 *253 -227	*385 *418 *473 *552 *552 *552 *348 *355 *353 *353 *354 *348 *311 *2254 *2257	*406 *445 *505 *557 -340 -345 -348 -348 -331 -327 -318 -327 -318		•511 •538 •566 •570 •561 -336 -335 -335 -335 -335 -3334	. 353 . 366 . 395 . 451 . 536 . 538 - 339 - 345 - 345 - 345 - 340 - 328 - 327 - 2277 - 2247 - 2216	17 18 19 20 21	•599 •648 -•342 -•341 -•341
- 500 - 375 - 250 - 125 .000 .250 .375 .500 .750 1.000 1.250 1.500 1.750 2.000 2.250 2.500	.380 .408 .457 .548 .553 .347 .343 .353 .350 .350 .344 .332 .399 .180 .246 .212	*372 *415 *463 *558 *343 -348 -352 -306 -332 -311 -286 *227 -201	*385 *418 *473 *552 *552 *348 -355 *353 -353 *353 -348 -329 -311 -254 -257 -257	.406 .445 .505 .557 -340 -345 -348 -348 -348 -327 -31 -327 -304 -286	. 425 . 456 . 496 . 549 . 572 . 560 . 334 . 336 . 336 . 336 . 336 . 337 . 339 . 339	-336 -335 -335 -335 -334 -334	.353 .366 .395 .536 .538 .538 .538 .339 .345 .345 .342 .345 .328 .328 .327 .227 .227	17 18 19 20 21	•599 •648 -•342 -•341 -•341
- 500 - 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 .000 1 .250 1 .750 2 .000 2 .250 2 .500 2 .750	**380 **408 **457 **548 **553 ***347 **343 **353 **350 **344 **332 **309 **180 **246 **212 **195 **171	**372 **463 **558 **343 **348 **347 **352 **306 **332 **311 **226 **227 **227 **2176	*385 *418 *473 *552 *552 *348 *355 *353 *353 *353 *356 *329 *329 *329 *329 *329 *329 *329 *329	*406 *445 *505 *557 -340 -345 -348 -331 -327 -318 -286 -286 -243		*511 *538 *566 *570 *561 *336 -335 -335 -335 -334 -334 -334 -3334	.353 .366 .395 .451 .536 .538 .538 .339 .345 .345 .340 .328 .328 .304 .277 .2216 .193 .170	17 18 19 20 21	•599 •648 -•342 -•341 -•341
-500 -375 -250 -125 .000 .250 .375 .500 .750 1.500 1.500 1.500 1.500 2.250 2.250 2.350 2.350 3.000	**380 **408 **457 **548 **553 ***347 **343 **353 **359 **344 **332 **339 **180 **246 **212 **195 **171 **155	*372 *463 *558 *343 *348 *348 *347 *352 *332 *331 *286 *253 *217 *217 *217 *217	*385 *418 *473 *552 *552 *348 *353 *353 *353 *354 *329 *329 *254 *257 *2257 *230 *211 *194	*406 *445 *505 *557 -340 -3345 -348 -3381 -327 -328 -3218 -3218 -328 -265 -243 -243	. 425 . 456 . 496 . 549 . 572 . 560 . 334 . 336 . 336 . 335 . 335 . 335 . 335 . 331 . 332 . 321 . 321 . 321	*511 *538 *566 *570 *561 *336 *335 *335 *335 *335 *334 *334 *334 *334	.353 .366 .395 .536 .538 .538 .538 .339 .345 .345 .342 .345 .328 .328 .327 .227 .227	17 18 19 20 21	•599 •648 -•342 -•341 -•341
- 500 - 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 .000 1 .500 1 .750 2 .000 2 .250 2 .500 3 .500 3 .500	**380 **408 **457 **548 **553 ***347 **3353 **353 **353 **353 **330 **344 **332 **309 **180 **246 **212 **195 **171 **155 **118	*372 *463 *558 -3343 -3348 -3347 -352 -306 -332 -211 -286 -227 -201 -176 -158 -128	*385 *418 *473 *552 *552 *552 *355 *355 *355 *356 *348 *329 *311 *2254 *227 *2211 *194 *146	*406 *445 *505 *557 -340 -3350 -3348 -331 -327 -318 -3286 -243 -243 -243 -243		*511 *538 *566 *570 *561 *336 -3336 -3336 -3337 -3334 -3334 -3334 -3334 -3334 -3334	.353 .366 .395 .451 .536 .538 .538 .339 .345 .345 .340 .328 .328 .304 .277 .227 .216 .193 .170	17 18 19 20 21	•599 •648 -•342 -•341 -•341
- 500 - 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 - 250 1 - 250 1 - 250 2 - 250	**380 **408 **457 **548 **553 ***347 **343 **353 **353 **359 **344 **332 **339 **180 **246 **212 **195 **171 **155 **118 **089	*372 *415 *463 *558 *343 *348 *3447 *352 *306 *332 *331 *2286 *227 *201 *176 *158 *128 *1094	*385 *418 *473 *552 *552 *358 *355 *353 *353 *353 *354 *329 *311 *2257 *2257 *2211 *194 *128	*406 *445 *505 *557 -340 -345 -348 -348 -348 -348 -327 -327 -226 -226 -226 -224 -221 -152		*511 *538 *566 *570 *561 *336 *335 *335 *335 *334 *334 *334 *334 *334	.353 .366 .395 .451 .536 .538 .538 .339 .345 .345 .340 .328 .328 .304 .277 .227 .216 .193 .170	17 18 19 20 21	•599 •648 -•342 -•341 -•341
-500 -375 -250 -125 -000 -250 -375 -500 -750 1.000 1.500 1.750 2.250 2.250 2.250 2.750 3.000 4.000 4.500	. 380 . 408 . 457 . 5548 . 553 347 353 353 353 353 359 180 246 212 195 171 155 118 089 073	*372 *463 *558 -343 *348 -347 -352 -3306 -332 -311 -286 -227 -227 -217 -176 -158 -128 -094 -077	*385 *418 *473 *552 *552 *552 *355 *355 *355 *356 *3358 *329 *311 *2257 *2211 *2214 *1246 *108	*406 *445 *505 *557 -340 -3350 -3348 -331 -327 -318 -286 -285 -243 -243 -241 -1184 -1184 -1184 -1184		*511 *538 *566 *570 *561 *336 -3336 -3335 -3335 -3334 -3334 -3334 -3334 -3334 -3329 -3329	.353 .366 .395 .451 .536 .538 .538 .339 .345 .345 .340 .328 .328 .304 .277 .227 .216 .193 .170	17 18 19 20 21	•599 •648 -•342 -•341 -•341
- 500 - 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 - 250 1 - 250 1 - 250 2 - 250	**380 **408 **457 **548 **553 ***347 **343 **353 **353 **359 **344 **332 **339 **180 **246 **212 **195 **171 **155 **118 **089	*372 *415 *463 *558 *343 *348 *3447 *352 *306 *332 *331 *2286 *227 *201 *176 *158 *128 *1094	*385 *418 *473 *552 *552 *358 *355 *353 *353 *353 *354 *329 *311 *2257 *2257 *2211 *194 *128	*406 *445 *505 *557 -340 -345 -348 -348 -348 -348 -327 -327 -226 -226 -226 -224 -221 -152		*511 *538 *566 *570 *561 *336 *335 *335 *335 *334 *334 *334 *334 *334	.353 .366 .395 .451 .536 .538 .538 .339 .345 .345 .340 .328 .328 .304 .277 .227 .216 .193 .170	17 18 19 20 21	•599 •648 -•342 -•341 -•341

Table 02 Continued
Plate and Spoiler Pressure Coefficients Configuration 2 M= 1.61 R= 0.23 x 10⁶

v in	Row O	Row I	Row 3	Plate Row 4	Row 6	Pow 7	Row 9	Spoiler Orifice No.
x,in.	I. Now O	NOW I	HOW 3	-	0	Row 7	NOW 9	Orifice No.
				Λ= 3	0			
-6.000 -5.500	001	.001 .071	.015 .220	• 241	• 365 • 364	•294 •250		1 • 375 2 • 312
-5.000	•281	•287	•334	• 358	•364	•229		3 •295
-4.500	•317	•332	•362	• 369	.339	•221		4 • 305
-4.000	•332	•339	• 362	•358	•300	•219	•317	5 • 340
-3.500	•328	• 338	• 358	.338	•262	•211	•317	6 • 396 7 • 335
-3.000	•327	•336	•347	• 306	•231	•211	•317	7 • 335 8 - • 325
-2.750	•327	•349	•332	· 285	•216 •213	•214 •217	•313	9328
-2.500 -2.250	•327	•332	•318 •297	.251	.203	•226	•317	10328
-2.000	297	•304	.277	.232	.202	•235	.317	11 324
-1.750	• 296	•280	.257	.222	•203	• 256	•321	12 •406
-1.500	•268	•261	•232	•207	.207	• 277	•321	13 • 366
-1.250	•224	•240	•217	•206	•214	• 303	•317	14 • 366 15 • 388
-1.000	•230	• 226	•212	·207	•234	•340 •384	•313 •310	15 • 388 16 • 412
750 625	•217	•220	•212	.240	•298	• 405	•309	17 •441
500	.237	• 234	•243	•270	•330	•430	.316	18 • 389
375	•261	•271	.274	•311	•379	.445	•331	19299
250	•316	•322	•330	•371	•425	• 443	•365	20297
125	•413		• 416		•438		•431	21 295
•000	•419	•422	•416	•416	• 425	•421	•436	22 300
• 250	331	326	~.334	327			299	
•375	327	334	~.338	329	307		301	
•500	338	329	~•347	338	-•311	- 205	299	
• 750	337	334	345 345	335 337	311 310	305	300 303	
1.000	-•328 -•302	286 298	~.345	312	311	305 305	295	
1.500	275	263	304	303	313	305	286	
1.750	150	236	~.279	288	307	304	269	
2.000	209	208	227	275	304	299	249	
2.250	176	184	230	261	299	298	226	
2.500	153	160	196	244	293	298	207	
2.750	127	143	178	227	285	293	184	
3.000	109 082	124 101	164 123	211 185	277 261	298 291	164	
4.000	060	072	113	160	244	286		
	,,,,,			110	222	281		
4.500	057	053	094	140	- 0 4 4 4			
4.500 5.000	051	036	079	121	207	274		
4.500 5.000 5.500	051 056	036 029	079 066	121 106	207 186	274 268		
4.500 5.000	051	036	079	-•121 -•106 -•094	207 186 166	274		
4.500 5.000 5.500	051 056	036 029	079 066	-•121 -•106 -•094	207 186	274 268		
4.500 5.000 5.500 6.000	051 056 032	036 029 024	079 066 055	-•121 -•106 -•094 $\Lambda = 4$	207 186 166	274 268 253		1 *369
4.500 5.000 5.500 6.000	051 056 032	036 029 024	079 066 055	-•121 -•106 -•094 Λ= 4	207 186 166	274 268 253		2 • 348
4.500 5.000 5.500 6.000	051 056 032	036 029 024	079 066 055	121 106 094 A= 4 008 223 311	207 186 166	274 268 253		2 • 348 3 • 309
-6.000 -5.500 6.000	051 056 032 001 .063 .240 .285	036 029 024	079 066 055	121 106 094 A= 4 .008 .223 .311 .334	207 186 166 166	274 268 253 345 .253 .204 .192	•281	2 • 348 3 • 309 4 • 298 5 • 330
-6.000 -5.500 -6.000	051 056 032	036 029 024 024 000 .006 .200 .285 .304 .302	079 066 055 055 011 .024 .257 .316 .322	121 106 094 A= 4 008 223 311	207 186 166	274 268 253	•281 •274	2 • 348 3 • 309 4 • 298 5 • 330 6 • 394
-6.000 -5.500 6.000	051 056 032 001 .063 .240 .285 .294	036 029 024	079 066 055	121 106 094 A = 4 .008 .223 .311 .334 .329 .314 .275	207 186 166 166 311 .353 .346 .329 .287 .233 .195	274 268 253 . 345 . 253 . 204 . 192 . 204 . 220 . 220 . 258	• 274	2 • 348 3 • 298 5 • 330 6 • 394 7 • 382
4.500 5.000 5.500 6.000 -6.000 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750	051 056 032 001 .063 .240 .285 .294 .291 .291	036 029 024 000 .006 .200 .285 .304 .302 .299 .309	079 066 055	121 106 094 A= 4 	207 186 166 166 	274 268 253 253 204 192 204 220 258 286	• 274 • 269 • 269	2
4,500 5,000 5,500 6,000 -5,500 -5,500 -4,500 -4,500 -3,500 -3,500 -2,750 -2,750	051 056 032 001 .063 .240 .285 .294 .291 .291 .291 .280	036 029 024 000 .006 .200 .285 .304 .302 .299 .309 .281	079 066 055	- 121 - 106 - 1094 A = 4 - 108 - 223 - 311 - 334 - 329 - 314 - 275 - 246 - 215	207 186 166	274 268 253 253 204 192 204 220 258 286 309	• 274 • 269 • 269 • 269	2
4,500 5,000 5,500 6,000 -5,500 -5,500 -4,500 -4,500 -4,500 -2,750 -2,500 -2,250	051 056 032 001 .063 .240 .285 .294 .291 .291 .291 .280 .271	036 029 024 006 006 200 285 304 302 299 309 281 262	-079 -066 -055 -055 -011 -024 -257 -316 -322 -322 -317 -297 -275 -240	121 106 094	207 186 166 166 353 346 329 287 233 195 180 172	274 268 253 253 204 192 204 220 258 286 309 333	.274 .269 .269 .269 .261	2 348 3 309 4 298 5 330 6 394 7 382 8 -322 9 -327 10 -325
4.500 5.000 5.500 6.000 -5.500 -5.500 -6.000 -4.500 -4.000 -3.500 -2.750 -2.250 -2.250	051 056 032 032 001 .063 .240 .285 .294 .291 .291 .291 .280 .271	036 029 024 004 000 .006 .200 .205 .304 .302 .299 .309 .281 .262	-079 -066 -055 -055 -011 -024 -257 -316 -322 -322 -327 -275 -240 -210	121 106 094 \$\text{\$\Lambda\$} = 4 \\ 008 \\ 223 \\ 311 \\ 334 \\ 329 \\ 314 \\ 275 \\ 246 \\ 215 \\ 173	207 186 166 .5° .311 .353 .346 .329 .287 .233 .195 .185 .180	274 268 253 253 253 204 192 204 220 258 286 309 333 354	.274 .269 .269 .269 .261	2
4,500 5,000 5,500 6,000 -5,500 -5,500 -4,500 -4,500 -4,500 -2,750 -2,750 -2,750 -2,250 -2,000 -1,750	051 056 032 001 .063 .240 .285 .294 .291 .291 .291 .280 .271 .227	-036 -029 -024 -024 -000 -006 -200 -285 -304 -302 -299 -309 -281 -262 -211 -198	-079 -066 -055 -055 -011 -024 -257 -316 -322 -322 -317 -297 -275 -240 -210 -183	121 106 094	207 186 166 166 353 346 329 287 233 195 180 172	274 268 253 253 204 192 204 220 258 286 309 333	. 274 . 269 . 269 . 269 . 261 . 247 . 227 . 204	2
4.500 5.000 5.500 6.000 -5.500 -5.500 -4.500 -4.500 -4.000 -3.500 -2.750 -2.250 -2.250	051 056 032 001 .063 .240 .285 .294 .291 .291 .280 .271 .227 .203 .170	-036 -029 -024 -024 -000 -006 -200 -285 -304 -302 -299 -309 -281 -282 -291 -198 -162	-079 -066 -055 -055 -011 024 -257 -316 -322 -317 -297 -210 -210 -183 -155 -144	121 106 094 A = 4 008 223 311 334 225 246 215 191 173 164 154 162	207 186 166	- 274 - 288 - 253 - 253 - 204 - 192 - 204 - 204 - 200 - 258 - 286 - 309 - 333 - 334 - 382 - 396 - 408	. 274 . 269 . 269 . 269 . 261 . 247 . 227 . 204 . 173	2 348 3 309 4 298 5 330 6 394 7 382 8 -322 9 -327 10 -325 11 -324 12 253 13 209 14 185
4.500 5.000 5.500 6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.550 -2.500 -2.250 -2.250 -2.250 -1.750 -1.250 -1.250	051 056 032	-036 -029 -024 -000 -006 -200 -285 -304 -302 -299 -281 -282 -231 -198 -162 -140 -135	-079 -066 -055 -055 -011 -024 -257 -316 -322 -322 -337 -297 -275 -240 -210 -183 -155 -144 -154	121 106 094 \$\text{\$\Lambda\$} = 4\$ \$\cdot \text{\$\cdot \text{\$\e	207 186 166 166 166 166 175 287 233 195 185 185 175 185 185 101 241 286	- 274 - 288 - 253 - 253 - 204 - 192 - 204 - 220 - 258 - 208 - 309 - 333 - 354 - 382 - 396 - 408 - 424	. 274 . 269 . 269 . 261 . 247 . 227 . 204 . 173 . 149	2
4,500 5,000 5,500 6,000 -5,500 -5,500 -4,500 -4,500 -4,500 -2,750 -2,250 -2,250 -2,250 -1,750 -1,250	051 056 032 001 .063 .240 .285 .294 .291 .291 .280 .271 .227 .203 .170 .113 .133 .150	-036 -029 -024 -024 -000 -006 -200 -285 -304 -302 -299 -309 -281 -262 -211 -262 -140 -135 -159	-079 -066 -055 -011 -024 -257 -316 -322 -322 -317 -297 -215 -240 -210 -883 -155 -144 -186	121 106 094 A = 4 008 223 311 334 229 314 229 215 191 173 164 154 162 188 245	207 186 166	- 274 - 288 - 253 - 253 - 204 - 192 - 204 - 220 - 228 - 286 - 309 - 333 - 334 - 382 - 386 - 408 - 508 -	.274 .269 .269 .269 .261 .247 .227 .204 .173 .149	2
4.500 5.000 5.500 6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.750 -2.250 -2.250 -2.250 -1.750 -1.250 -1.750 -1	051056032 001063240291291291291280271271271213133150178	-036 -029 -024 -000 -006 -200 -285 -304 -302 -299 -281 -262 -231 -198 -162 -140 -135 -159 -185	-079 -066 -055 -011 -024 -257 -316 -322 -322 -322 -322 -317 -297 -275 -240 -210 -183 -155 -144 -154 -186 -215	121 106 094 \$\hat{\text{N}} = 4\$ 008 223 311 334 275 246 215 199 173 164 154 162 188 245 274	207 186 166 166 166 166 175 180 175 185 185 175 185 185 172 172 172 185	- 274 - 288 - 253 345 - 253 204 - 192 - 204 - 220 - 288 - 309 - 333 - 354 - 488 - 424 - 438 - 438	.274 .269 .269 .269 .261 .247 .227 .204 .173 .149 .133	2
4,500 5,000 5,500 6,000 -5,500 -5,500 -6,500 -4,500 -4,500 -4,500 -4,500 -2,500 -2,250 -2,250 -2,250 -1,750 -1,250 -1	051 056 032 001 .063 .240 .285 .294 .291 .291 .291 .280 .271 .227 .203 .170 .113 .133 .150 .178 .215	-036 -029 -024 -024 -000 -006 -200 -285 -304 -302 -299 -309 -281 -262 -231 -198 -140 -135 -159 -185 -231	-079 -066 -055 -011 -024 -257 -316 -322 -322 -317 -277 -240 -210 -183 -155 -144 -154 -186 -215 -261	121 106 094 A = 4 008 223 331 334 229 314 275 246 215 191 173 184 188 245 274 316	207 186 166	- 274 - 288 - 253 - 253 - 204 - 192 - 204 - 220 - 258 - 286 - 286 - 339 - 335 - 408 - 448 - 448 - 443 - 443	274 269 269 269 261 247 227 204 173 149 133	2
4.500 5.000 5.500 6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -2.750 -2.250 -2.250 -2.250 -1	051 056 032 032 001 .063 .240 .285 .294 .291 .291 .280 .271 .227 .227 .203 .170 .113 .133 .150 .178 .215	-036 -029 -024 -024 -000 -006 -200 -285 -304 -302 -299 -309 -281 -282 -291 -198 -162 -140 -135 -159 -185 -231 -282	-079 -066 -055 011 024 -257 -316 -322 -322 -327 -277 -275 -240 -210 -183 -155 -144 -166 -215 -261 -309	121 106 094 A = 4 008 223 311 334 275 246 215 191 173 164 154 162 188 245 274 316 351	207 186 166 166 166 166 166 175 180 175 185 185 175 185 185 172 185	- 274 - 268 - 253 345 - 253 204 - 192 - 204 - 220 - 258 - 286 - 309 - 333 - 354 - 408 - 408 - 408 - 432 - 432 - 432 - 432 - 4427	.274 .269 .269 .269 .261 .247 .227 .204 .173 .149 .133 .132	2 348 3 309 4 298 5 330 6 394 7 382 8 -322 9 -327 10 -325 11 -324 12 253 13 209 14 185 15 198 16 234 17 285 18 281
4.500 5.000 5.500 6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.750 -2.250 -2.250 -2.250 -1.750 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	051 056 032 001 .063 .240 .285 .294 .291 .291 .291 .280 .271 .227 .203 .170 .113 .133 .150 .178 .215	-036 -029 -024 -024 -000 -006 -200 -285 -304 -302 -299 -309 -281 -262 -231 -198 -140 -135 -159 -185 -231	-079 -066 -055 -011 -024 -257 -316 -322 -322 -317 -277 -240 -210 -183 -155 -144 -154 -186 -215 -261	121 106 094 A = 4 008 223 331 334 229 314 275 246 215 191 173 184 188 245 274 316	207 186 166	- 274 - 268 - 253 345 - 253 204 - 192 - 204 - 220 - 288 - 266 - 309 - 333 - 354 - 408 - 424 - 438 - 432 - 447 - 419	274 2269 269 269 261 247 227 224 1173 1193 1132 1142 1166 216	2
4,500 5,000 5,500 6,000 -5,500 -5,500 -4,500 -4,500 -4,500 -4,500 -2,500 -2,500 -2,250 -2,250 -1,750 -1,250 -1	051 056 032 032 001 .063 .240 .285 .294 .291 .291 .291 .280 .271 .227 .203 .170 .113 .133 .139 .150 .178 .215	-036 -029 -024 -024 -000 -006 -200 -285 -304 -302 -299 -309 -281 -282 -291 -198 -162 -140 -135 -159 -185 -231 -282	-079 -066 -055 011 -024 -257 -316 -322 -322 -317 -275 -240 -210 -183 -155 -144 -154 -186 -215 -261 -309 -363	121 106 094 A = 4 008 223 311 334 275 246 215 191 173 164 154 162 188 245 274 316 351	207 186 166 .5° .311 .353 .346 .329 .287 .233 .195 .185 .180 .172 .175 .185 .210 .241 .286 .339 .360 .387 .407	- 274 - 268 - 253 345 - 253 204 - 192 - 204 - 220 - 258 - 286 - 309 - 333 - 354 - 408 - 408 - 408 - 432 - 432 - 432 - 432 - 4427	• 274 • 269 • 269 • 261 • 247 • 227 • 204 • 173 • 149 • 133 • 142 • 166 • 216	2
4,500 5,000 5,500 6,000 -5,500 -5,500 -4,000 -4,000 -3,500 -2,750 -2,250 -2,250 -2,250 -1,750 -1,250 -1,250 -1,250 -3,500 -1,250 -1	051 056 032 001 .063 .240 .285 .294 .291 .291 .280 .271 .227 .203 .170 .113 .133 .150 .178 .215 .271 .334 .390 .386	-036 -029 -024 -024 -000 -006 -200 -285 -304 -302 -299 -309 -281 -282 -291 -198 -140 -135 -125 -231 -282 -343 -388	-079 -066 -055 011 024 -257 -316 -322 -322 -317 -297 -275 -240 -210 -183 -155 -144 -154 -186 -215 -261 -309 -363 -393 -387	121 106 094 A= 4 008 223 311 334 225 246 215 191 173 164 154 162 188 245 274 316 351 392 387	207 186 166 166 166 166 166 175 180 175 185 185 185 175 185 172 175 185 172 175 185 172 172 173 185	- 274 - 268 - 253 345 - 253 204 - 192 - 204 - 220 - 288 - 266 - 309 - 333 - 354 - 408 - 424 - 438 - 432 - 447 - 419	274 2269 2269 2269 2261 227 204 1173 1149 1133 1132 1166 2166 2285	2
4.500 5.000 5.500 6.000 -5.500 -6.000 -5.500 -4.500 -4.500 -4.500 -2.500 -2.250 -2.250 -2.250 -2.250 -1.750 -1.250 -1	051 056 032	-036 -029 -024 -000 -006 -200 -205 -304 -302 -299 -309 -281 -282 -140 -135 -185 -231 -282 -343 -388 -317	-079 -066 -055 -011 -024 -257 -316 -322 -322 -322 -322 -322 -317 -297 -275 -240 -210 -183 -155 -144 -154 -166 -215 -261 -309 -363 -393 -387 -324	121 106 094 A= 4 008 223 311 334 275 246 215 191 173 164 154 162 188 245 274 316 351 392	207 186 166 166 166 166 166 175 180 175 185 185 185 175 185 172 175 185 172 175 185 172 172 173 185	- 274 - 268 - 253 345 - 253 204 - 192 - 204 - 220 - 288 - 266 - 309 - 333 - 354 - 408 - 424 - 438 - 432 - 447 - 419	274 2269 269 269 261 247 227 224 1173 1193 1132 1142 1166 216	2
4,500 5,000 5,500 6,000 -5,500 -5,500 -4,000 -4,000 -3,500 -2,750 -2,250 -2,250 -2,250 -1,750 -1,250 -1,250 -1,250 -3,500 -1,250 -1	051 056 032 032 032 001 .063 .240 .285 .294 .291 .291 .291 .227 .227 .227 .227 .2170 .113 .150 .178 .215 .271 .215 .271 .215 .271 .234 .234 .234 .234 .234 .234 .234 .234	-036 -029 -024 -024 -000 -006 -200 -285 -304 -302 -299 -309 -281 -282 -291 -198 -140 -135 -125 -231 -282 -343 -388	-079 -066 -055 -011 -024 -257 -316 -322 -322 -322 -317 -297 -275 -240 -210 -183 -155 -144 -154 -186 -215 -261 -309 -363 -393 -387 -324 -322 -324	121 106 094 \[\Lambda = 4 \] 008 -223 -311 -334 -275 -246 -215 -299 -173 -164 -154 -162 -188 -245 -274 -316 -351 -392 -387 314 313 317	207186166166166166166166166172172175185100210241286339293	- 274 - 268 - 253 345 - 253 204 - 192 - 204 - 220 - 288 - 309 - 333 - 354 - 432 - 448 - 432 - 449 - 449	274 229 269 269 261 247 227 204 113 1149 1132 1142 1166 274	2
4.500 5.000 5.500 6.000 -5.500 -5.500 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -2.250 -1	051056032 001 .063 .240 .285 .294 .291 .291 .291 .280 .271 .227 .203 .170 .113 .133 .150 .178 .215 .271 .334 .390 .386323318319345	-036 -029 -024 -024 -000 -006 -200 -285 -304 -302 -299 -309 -281 -262 -231 -198 -140 -135 -231 -282 -343 -388 -318 -318 -318 -318 -313 -330	-079 -066 -055 -011 -024 -257 -316 -322 -322 -317 -297 -275 -240 -210 -183 -155 -144 -154 -186 -215 -261 -309 -343 -393 -387 -324 -322 -324 -303	121 106 094 A = 4 008 223 311 334 229 314 313 317 301	207186166166166166166166166166166166172175185	274 268 253 253 204 192 204 209 258 286 309 339 334 382 336 408 408 424 438 432 427 419 391	274 289 289 289 281 227 204 173 149 133 132 142 166 285 274	2
4.500 5.000 5.500 6.000 -5.500 6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.750 -2.250 -2.250 -2.250 -1.750 -1.250	051056032 001063240285294291291291280271227203170113150178215271334390386323318319345373	-036 -029 -024 -020 -006 -200 -285 -304 -302 -299 -281 -262 -231 -198 -162 -140 -125 -231 -282 -343 -388 -317 -318 -313 -311 -311 -311 -3266	-079 -066 -055 011 024 -257 -316 -322 -327 -277 -275 -240 -210 -183 -155 -144 -186 -215 -261 -309 -363 -393 -387 -324 -322 -324 -303 -256	121 106 094 A = 4 108 223 311 334 275 246 215 215 215 215 216 188 245 274 316 317 301 290	207186166166166166166166166166166297286293266293286282	- 274 - 268 - 253 345 - 253 204 - 192 - 204 - 220 - 258 - 208 - 309 - 333 - 354 - 432 - 432 - 443 - 447 - 419 - 391	274 2269 269 269 261 227 204 173 149 132 142 166 216 285 274 -276 -286 -282 -282 -282	2
4.500 5.000 5.000 6.000 -5.500 6.000 -5.500 -6.500 -6.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -1.750 -1.250	051056032 001 .063 .240 .285 .294 .291 .291 .291 .291 .280 .271 .227 .203 .170 .113 .133 .150 .178 .215 .271 .334 .390 .386323319345374	-036 -029 -024 -029 -024 -000 -006 -200 -285 -304 -302 -299 -309 -221 -242 -140 -135 -159 -185 -231 -282 -343 -313 -313 -313 -311 -266 -291	-079 -066 -055 -011 -024 -257 -316 -322 -327 -277 -275 -240 -210 -183 -155 -144 -154 -186 -215 -261 -309 -363 -393 -387 -324 -322 -324 -333 -256 -228	121 106 094 A = 4 008 223 311 334 229 314 313 317 301 290 270	207186166166166166166166166166166172175185	- 274 - 288 - 253 - 253 - 204 - 192 - 204 - 220 - 258 - 286 - 309 - 333 - 354 - 382 - 396 - 408 - 443 - 444 - 448 - 448 - 448 - 448 - 448 - 448 - 448 - 448 - 448 - 449 -	274 269 269 269 261 247 227 204 173 149 133 132 142 166 216 285 274 -286 -286 -271 -282	2
4.500 5.000 5.500 6.000 -5.500 6.000 -5.500 -5.000 -4.500 -4.500 -4.000 -3.500 -2.750 -2.500 -2.750 -1.750 -1.750 -1.250 -1.750 -1.250	051056032 001063240285291	-036 -029 -024 -024 -000 -006 -200 -285 -304 -302 -299 -309 -281 -282 -231 -198 -162 -140 -135 -185 -231 -282 -343 -338 -338 -338 -338 -338 -338 -338	-079 -066 -055 011 024 -257 -316 -322 -317 -275 -240 -210 -183 -155 -144 -154 -166 -215 -261 -309 -363 -393 -387 -324 -303 -256 -288 -241	121 106 094 A = 4 108 223 311 334 275 246 154 164 154 164 154 164 154 316 316 317 314 317 317 317 290 275	207186166166166166166166207210210210241286293286293286293286293286293286291312	- 274 - 268 - 253 - 253 - 204 - 192 - 204 - 220 - 288 - 286 - 309 - 333 - 354 - 408 - 424 - 438 - 432 - 447 - 419 - 391 - 286 - 264 - 227 - 199	274 289 289 289 281 227 204 173 149 133 132 146 216 285 274 -276 -286 -288 -271 -288	2
4.500 5.000 5.500 6.000 -5.500 6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -3.500 -2.500 -2.500 -2.500 -2.500 -1.500	051056032 001 .063 .240 .285 .294 .291 .291 .291 .291 .271 .227 .203 .170 .1133 .133 .150 .178 .215 .271 .334 .390 .386323318319345373349336	-036 -029 -024 -000 -006 -200 -285 -304 -302 -299 -309 -281 -140 -135 -159 -185 -231 -282 -343 -318 -317 -318 -317 -318 -291 -291 -291 -291 -291 -291 -291 -291	-079 -066 -055 -011 -024 -257 -316 -322 -327 -277 -275 -240 -210 -183 -155 -144 -155 -261 -309 -363 -393 -387 -324 -322 -324 -3303 -256 -228 -228 -228	121 106 094 A = 4 008 223 311 334 229 314 313 317 301 290 270	207186166166166166166166166166166172185	- 274 - 288 - 253 - 253 - 204 - 192 - 204 - 220 - 258 - 286 - 408 - 432 - 432 - 447 - 419 - 286 - 264 - 227 - 197 - 1177	274 269 269 269 261 247 227 204 173 149 133 132 142 166 216 285 274 -286 -286 -271 -282	2
4.500 5.000 5.500 6.000 -5.500 6.000 -5.500 -5.000 -4.500 -4.500 -4.000 -3.500 -2.750 -2.500 -2.750 -1.750 -1.750 -1.250 -1.750 -1.250	051056032 001063240285291	-036 -029 -024 -024 -000 -006 -200 -285 -304 -302 -299 -309 -281 -282 -231 -198 -162 -140 -135 -185 -231 -282 -343 -338 -338 -338 -338 -338 -338 -338	-079 -066 -055 -011 -024 -257 -316 -322 -327 -277 -275 -240 -210 -183 -155 -144 -155 -261 -309 -363 -393 -387 -324 -322 -324 -333 -256 -228 -228 -228 -224 -228	121 106 094 \[\Lambda = 4 \] 008 223 311 334 275 246 125 211 211	207186166166166166166166166166166166172185185185180172175180175180175180175180175180175180175180175180175180175180180175180175180	- 274 - 288 - 253 - 253 - 204 - 192 - 204 - 220 - 258 - 286 - 432 - 432 - 443 - 443 - 443 - 226 - 264 - 227 - 199 - 177 - 162 - 175	274 269 269 269 261 227 204 173 149 133 132 142 166 216 285 2774 -276 -286 -271 -282 -282 -282 -282 -276 -275 -275 -275	2
4.500 5.000 5.500 6.000 -5.500 6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.750 -2.500 -2.750 -2.500 -1.500 -1.500 -1.500 -1.500 -1.500 -3.750 -2.500 -3.750 -2.500 -3.750	051056032 001063240285294291291280271227203170113133150178215271334390386323318319345373345373349336208302	-036 -029 -024 -024 -000 -006 -200 -285 -304 -302 -299 -309 -281 -198 -162 -140 -135 -159 -185 -231 -282 -343 -338 -3318 -3318 -3318 -3318 -3318 -3318 -3318 -321 -285 -285 -286 -286 -286 -286 -286 -286 -286 -286	-079 -066 -055 011 024 -257 -316 -322 -322 -317 -297 -275 -240 -210 -183 -155 -144 -154 -186 -215 -241 -309 -3387 -322 -324 -303 -256 -228 -241 -228 -204 -225 -211	121 106 094 A = 4 008 223 311 334 229 314 313 317 301 290 275 280 281 277 287	207186166166166166166166166166166166166172185180172172172286293298293298298298298298298298298298298298298298298298298298291312307270277272	- 274 - 268 - 253 - 253 - 204 - 192 - 204 - 220 - 258 - 309 - 333 - 334 - 382 - 396 - 408 - 424 - 427 - 419 - 391 - 286 - 264 - 227 - 1199 - 177 - 162 - 175 - 202	274 289 289 261 247 227 204 173 149 133 132 146 216 285 274 -276 -286 -282 -288 -271 -288 -271 -288 -271 -288 -275 -276 -288 -271 -288 -271 -288 -271 -288 -271 -288 -271 -288 -271 -288 -271 -288 -271 -288 -271 -288 -271 -288 -271 -288	2
4.500 5.000 5.000 6.000 -5.500 6.000 -5.500 -6.000 -5.500 -6.000 -4.500 -4.500 -4.500 -2.250 -2.250 -2.250 -1.750 -1.250	051056032 001 .063 .240 .285 .294 .291 .291 .291 .291 .280 .271 .203 .113 .133 .133 .133 .133 .150 .178 .215 .271 .334 .390 .386318319345373349349349349349302297263283	-036 -029 -024 -000 -006 -200 -285 -302 -299 -309 -281 -262 -231 -188 -162 -140 -135 -231 -282 -343 -318 -317 -318 -318 -291 -266 -291 -285 -281 -281 -281 -281 -281 -281 -281 -281	-0.079 -0.066 -0.055 -0.011 -0.024 -0.55 -0.055 -0.024 -0.027 -0	121 106 094 \[\Lambda = 4 \] \[\text{008} \] \[\text{223} \] \[\text{311} \] \[\text{334} \] \[\text{275} \] \[\text{246} \] \[\text{215} \] \[\text{191} \] \[\text{173} \] \[\text{164} \] \[\text{186} \] \[\text{274} \] \[\text{316} \] \[\text{331} \] \[\text{331} \] \[\text{337} \] \[\text{331} \] \[\text{337} \] \[\text{327} \] \[\text{277} \] \[\text{260} \] \[\text{2777} \] \[\text{260} \] \[\text{2277} \] \[\text{2247} \]	207186166166166166166166166166166166166166172185185185180172185180175185180175185180175185180175185180175185180175180180175180	- 274 - 288 - 253 - 253 - 204 - 192 - 204 - 220 - 258 - 286 - 309 - 333 - 354 - 438 - 448 - 448 - 448 - 449 - 449 - 27 - 419 - 391	274 269 269 269 261 227 204 173 149 133 132 142 166 216 285 277 -276 -286 -271 -282 -288 -271 -282 -288 -271 -282 -283 -215 -296	2
4.500 5.000 5.500 6.000 -5.500 6.000 -5.500 -5.000 -4.500 -4.500 -4.500 -2.750 -2.500 -2.750 -2.250 -2.000 -1.750 -1.500 -1.750 -1.500 -1.750 -1.250	051056032 001 .063 .240 .285 .294 .291 .291 .280 .271 .227 .203 .170 .113 .133 .150 .178 .215 .271 .334 .390 .386323 .3183183183193453733493453733493263208302297263	-036 -029 -024 -000 -006 -200 -285 -304 -302 -299 -309 -281 -282 -140 -135 -189 -189 -189 -189 -189 -189 -189 -189	-079 -066 -055 011 024 -257 -316 -322 -322 -317 -297 -275 -240 -210 -183 -155 -144 -154 -186 -215 -241 -309 -339 -3387 -322 -324 -303 -256 -228 -241 -228 -204 -225 -211 -217 -219	121 106 094 A = 4 008 223 311 334 225 246 154 -	207186166166166166166166166166166166166166172185180172172172172172286293298293298293282291312307270270270272222322247	- 274 - 268 - 253 - 253 - 204 - 192 - 204 - 220 - 258 - 309 - 333 - 334 - 382 - 396 - 408 - 424 - 432 - 427 - 419 - 391 - 266 - 264 - 227 - 199 - 177 - 162 - 277 - 202 - 233 - 277	274 289 289 261 247 227 204 173 149 133 132 146 216 285 274 -276 -286 -282 -288 -271 -288 -271 -288 -271 -288 -275 -276 -288 -271 -288 -271 -288 -271 -288 -271 -288 -271 -288 -271 -288 -271 -288 -271 -288 -271 -288 -271 -288 -271 -288	2
4.500 5.000 5.000 6.000 -5.500 6.000 -5.500 -5.000 -4.500 -4.500 -4.500 -2.250 -2.250 -2.250 -1.750 -1.250	051056032 001 .063 .240 .285 .294 .291 .291 .291 .291 .280 .271 .203 .113 .133 .133 .150 .178 .215 .271 .334 .390 .386318319345373349	-036 -029 -024 -029 -024 -000 -006 -200 -285 -302 -299 -309 -281 -282 -231 -188 -185 -135 -231 -282 -343 -317 -318 -317 -318 -317 -282 -291 -282 -291 -291 -291 -292 -291 -291 -292 -291 -292 -293 -293 -293 -293 -293 -293 -293	-0.079 -0.066 -0.055 -0.011 -0.024 -0.55 -0.024 -0.257 -0.116 -0.222 -0.222 -0.210 -0.183 -0.155 -0.144 -0.145 -0.144 -0.145 -0	121 106 094 \[\text{A} = 4 \] \[\text{108} \] \[\text{223} \] \[\text{311} \] \[\text{334} \] \[\text{275} \] \[\text{246} \] \[\text{215} \] \[\text{191} \] \[\text{173} \] \[\text{164} \] \[\text{155} \] \[\text{274} \] \[\text{316} \] \[\text{327} \] \[\text{336} \] \[\text{337} \] \[\text{337} \] \[\text{3387} \] \[\text{337} \] \[\text{327} \] \[\text{327} \] \[\text{327} \] \[\text{327} \] \[\text{277} \] \[\t	207186166166166	- 274 - 228 - 253 - 253 - 204 - 192 - 204 - 220 - 258 - 286 - 309 - 333 - 354 - 438 - 424 - 438 - 442 - 447 - 277 - 192 - 177 - 162 - 203 - 277 - 233 - 277 - 238	274 269 269 269 261 227 204 173 149 133 132 142 166 216 285 277 -276 -286 -271 -282 -288 -271 -282 -288 -271 -282 -283 -215 -296	2
4.500 5.000 5.500 6.000 -5.500 6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.750 -2.250 -2.000 -1.750 -1.250	051056032 001 .063 .240 .285 .294 .291 .291 .291 .280 .271 .227 .203 .170 .113 .133 .150 .178 .215 .271 .334 .390 .386323 .31831831831934537334934537334932331831934537334932331831934537334932331831934537334932633283317165	-036 -029 -024 -029 -024 -000 -200 -285 -304 -302 -299 -309 -281 -262 -231 -185 -185 -231 -282 -343 -318 -313 -301 -266 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -291 -291 -291 -291 -291 -291 -291	-0.079 -0.066 -0.055 -0.011 -0.024 -0.055 -0.011 -0.024 -0.025 -0.025 -0.022 -0.022 -0.027	121 106 094 A = 4 008 223 311 334 225 245 274 315 317 317 317 317 317 290 275 281 277 223 174 160	207186166166166166166166166166166172173185180172175185180172175185180172175185180172175185180172175180180172175180	- 274 - 288 - 253 - 253 - 204 - 192 - 204 - 220 - 258 - 286 - 309 - 333 - 354 - 382 - 396 - 408 - 424 - 432 - 427 - 419 - 391 - 286 - 227 - 199 - 177 - 162 - 233 - 277 - 238 - 2277 - 238 - 277 - 238 - 277 - 238 - 277 - 238 - 277 - 238 - 2277 - 238 - 277 - 238 - 2277 - 228 - 228	274 269 269 269 261 227 204 173 149 133 132 142 166 216 285 277 -276 -286 -271 -282 -288 -271 -282 -288 -271 -282 -283 -215 -296	2
4.500 5.000 5.000 6.000 -5.500 6.000 -5.500 -4.500 -4.500 -4.500 -4.500 -2.250 -2.250 -2.250 -1.750 -1.250	051056032 001063240285291334390386323318319345319345373346208302297263283317165010	-036 -029 -024 -000 -006 -006 -200 -285 -304 -302 -299 -309 -281 -282 -231 -198 -162 -140 -135 -185 -231 -286 -241 -212 -204 -191 -130 -121 -007	-079 -066 -055 011 024 -257 -316 -322 -317 -275 -240 -210 -183 -155 -241 -339 -3387 -324 -332 -326 -228 -241 -238 -226 -228 -221 -217 -219 -191 -172	121 106 094 \[\text{A} = 4 \] \[\text{108} \] \[\text{223} \] \[\text{311} \] \[\text{334} \] \[\text{275} \] \[\text{246} \] \[\text{215} \] \[\text{192} \] \[\text{173} \] \[\text{164} \] \[\text{188} \] \[\text{245} \] \[\text{274} \] \[\text{316} \] \[\text{336} \] \[\text{337} \] \[\text{336} \] \[\text{337} \] \[\text{337} \] \[\text{336} \] \[\text{337} \] \[\text{327} \] \[\text{327} \] \[\text{277} \] \[\text{281} \] \[\text{287} \] \[\te	207186166166166166166166166166166166166166166166172172172172286286281291312307270237222247245243214	- 274 - 288 - 253 204 - 192 - 204 - 220 - 258 - 286 - 309 - 333 - 354 - 438 - 424 - 438 - 442 - 443 - 447 - 419 - 286 - 264 - 227 - 199 - 177 - 165 - 202 - 233 - 277 - 238 - 247 - 273	274 269 269 269 261 227 204 173 149 133 132 142 166 216 285 277 -276 -286 -271 -282 -288 -271 -282 -288 -271 -282 -283 -215 -296	2
4.500 5.000 5.500 6.000 -5.500 6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.750 -2.250 -2.000 -1.750 -1.250	051056032 001 .063 .240 .285 .294 .291 .291 .291 .280 .271 .227 .203 .170 .113 .133 .150 .178 .215 .271 .334 .390 .386323 .31831831831934537334934537334932331831934537334932331831934537334932331831934537334932633283317165	-036 -029 -024 -029 -024 -000 -200 -285 -304 -302 -299 -309 -281 -262 -231 -185 -185 -231 -282 -343 -318 -313 -301 -266 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -285 -291 -291 -291 -291 -291 -291 -291 -291	-0.079 -0.066 -0.055 -0.011 -0.024 -0.055 -0.011 -0.024 -0.025 -0.025 -0.022 -0.022 -0.027	121 106 094 A = 4 008 223 311 334 225 245 274 315 317 317 317 317 317 290 275 281 277 223 174 160	207186166166166166166166166166166172173185180172175185180172175185180172175185180172175185180172175180180172175180	- 274 - 288 - 253 - 253 - 204 - 192 - 204 - 220 - 258 - 286 - 309 - 333 - 354 - 382 - 396 - 408 - 424 - 432 - 427 - 419 - 391 - 286 - 227 - 199 - 177 - 162 - 233 - 277 - 238 - 2277 - 238 - 277 - 238 - 277 - 238 - 277 - 238 - 277 - 238 - 2277 - 238 - 277 - 238 - 2277 - 228 - 228	274 269 269 269 261 227 204 173 149 133 132 142 166 216 285 277 -276 -286 -271 -282 -288 -271 -282 -288 -271 -282 -283 -215 -296	2

Table 02 Concluded
Plate and Spoiler Pressure Coefficients

Configuration 2 M= 1.61 R= 0.23 x 106

				2-1-				Capilor
	F 0 1	Daw 1	Row 3	Plate Row 4	Row 6	Row 7	Row 9	Spoiler Orifice No.
x, in.	Row O	Row I	NOW 3		O°	110W /	110W 3	Office 140.
				Λ= 6				
-6.000	•002	.001	•010	•008	•022 •125	•292 •277		1 •330 2 •330
-5.500 -5.000	•006	•006	•014	•044	.247	.210		3 • 335
-4.500	•132	.083	.106	•194	.269	.154		4 • 335
-4.000	•190	.178	•206	.233	•262	.168	•214	5 • 327
-3.500	•211	•215	.234	•238	•232	• 221	• 220	6 • 310
-3.000	•220	• 224	•237	• 236	•157 •139	•319 •358	•219 •216	7 8 -•287
-2.750	•220	•240 •230	·231	• 225 • 196	146	•384	•219	9298
-2.500 -2.250	•220	•230	•217	•152	.158	•391	.214	10301
-2.000	201	.211	•183	.130	.192	•384	.209	11 321
-1.750	•180	.174	•137	• 144	.247	•384	•192	12 • 250
-1.500	•129	•132	•127	•168	•310	•381 •373	•158 •133	13 • 253 14 • 259
-1.250	•102	•138 •191	•153 •232	•230 •301	.346 .358	•371	.138	15 • 275
-1.000 750	•168	.275	•301	• 342	•364	.364	.169	16 • 281
625	•294	•304	•322	• 345	•359	• 363	.195	17 • 282
500	•319	•302	•330	• 347	•352	• 355	•217	18 •178
375	. 322	•332	• 335	• 340	•349	• 349	• 235	19 -• 250 20 -• 229
250	•326	.331	•332 •335	•347	•348 •341	•346	• 250 • 259	21210
125 .000	•332	•344	•345	• 342	.347	.346	.257	22220
• 250	281	273 282	280 287	275 279	259		-•247 -•258	
•375	285 288	282	290	285	258		247	
.750	309	268	280	274	256	253	255	
1.000	367	262	274	269	249	250	317	
1.250	410	353	317	276	243	240	294	
1.500	384	386	353	330	246	233	269 279	
1.750	199	349	389	335	223 243	217 191	343	
2.000	-•190 -•076	287 208	332 334	317	279	162	319	
2.500	•001	132	262	343	271	149	267	
2.750	•019	080	194	324	258	175	185	
3.000	•015	043	128	294	257	255	086	
3.500	001	014	019	195	-•287 -•327	269 315		
4.000	009 014	•001	•018 •031	106	322	297		
5.000	011	.006	•039	•053	310	244		
5.500	009	•009	•034	•086	279	234		
6.000	•002	•012	•036	•086	-•237	229		
		M. Land		Λ= 7				
-6.000	•011	•006	•011	.006 .010	.007	•116 •172		1 .091
-5.500 -5.000	•025	•014	•015	.013	.094	•162		3 •101
2000		.051	•052	•076	•131	•137		4 .086
					•124		•062	5 •079
-4.500	•078 •078	.082	•094	•112		•115		
-4.500 -4.000 -3.500	•078 •078 •076	.082 .082	•101	•102	•110	•097	•062	6 • 059
-4.500 -4.000 -3.500 -3.000	•078 •078 •076 •070	.082 .082 .077	•101 •091	•102 •096	•110 •095	.097 .091	•062 •065	6 •059 7 -• 095
-4.500 -4.000 -3.500 -3.000 -2.750	.078 .078 .076 .070	.082 .082 .077 .088	•101 •091 •084	•102 •096 •091	•110 •095 •088	.097 .091 .090	.062 .065	6 • 059
-4.500 -4.000 -3.500 -3.000 -2.750 -2.500	.078 .078 .076 .070 .071	.082 .082 .077 .088	•101 •091 •084 •081	•102 •096 •091 •086	•110 •095	.097 .091	.062 .065 .065 .065	6 .059 7095 8154 9170 10191
-4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250	.078 .078 .076 .070	.082 .082 .077 .088 .073 .076	•101 •091 •084 •081 •078	.102 .096 .091 .086 .083	•110 •095 •088 •086 •076	.097 .091 .090 .089 .088	.062 .065 .065 .065 .062	6 *059 7 -095 8 -*154 9 -*170 10 -*191 11 -*252
-4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750	.078 .078 .076 .070 .071 .072 .086 .065	.082 .082 .077 .088 .073 .076	.101 .091 .084 .081 .078 .080	.102 .096 .091 .086 .083 .081	.110 .095 .088 .086 .076 .071	.097 .091 .090 .089 .088 .091	.062 .065 .065 .065 .062 .064	6 •059 7 -095 8 -154 9 -170 10 -191 11 -252
-4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500	.078 .078 .076 .070 .071 .072 .086 .065 .084	.082 .082 .077 .088 .073 .076 .076	.101 .091 .084 .081 .078 .080	.102 .096 .091 .086 .083 .081	.110 .095 .088 .086 .076 .071	.097 .091 .090 .089 .088 .091	.062 .065 .065 .065 .062 .064 .065	6 .059 7095 8154 9170 10191 11252 12 .073 13 .073
-4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250	.078 .078 .076 .070 .071 .072 .086 .065 .084 .081	.082 .082 .077 .088 .073 .076 .076 .077	.101 .091 .084 .081 .078 .080 .080	.102 .096 .091 .086 .083 .081 .084	•110 •095 •088 •086 •076 •071 •070 •078	.097 .091 .090 .089 .088 .091 .095	062 065 065 065 062 064 065 065	6 .059 7095 8154 9170 10191 11252 12 .073 13 .073 14 .077 15 .083
-4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000	.078 .078 .076 .070 .071 .072 .086 .065 .084 .081	.082 .082 .077 .088 .073 .076 .077 .077	.101 .091 .084 .081 .078 .080 .080 .075	.102 .096 .091 .086 .083 .081	•110 •095 •088 •086 •076 •071 •070 •078 •086 •095 •103	.097 .091 .090 .089 .088 .091 .095 .098 .107	. 062 . 065 . 065 . 065 . 062 . 064 . 065 . 065 . 067	6 .059 7095 8154 9170 10191 11252 12 .073 13 .073 14 .077 15 .083 16 .080
-4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750	.078 .078 .076 .070 .071 .072 .086 .065 .084 .081 .057 .068	.082 .082 .077 .088 .073 .076 .076 .077	.101 .091 .084 .081 .078 .080 .080 .075 .075 .075	.102 .096 .091 .086 .083 .081 .084 .081 .078 .087	.110 .095 .088 .086 .076 .071 .070 .078 .086 .095	.097 .091 .090 .089 .088 .091 .095 .098 .107 .110	. 062 . 065 . 065 . 065 . 064 . 065 . 065 . 067 . 066 . 052	6 059 7095 8154 9170 10191 11252 12 073 13 073 14 077 15 083 16 088
-4.500 -4.200 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	.078 .078 .076 .070 .071 .072 .086 .065 .081 .057 .068	.082 .082 .077 .088 .073 .076 .076 .077 .077 .077 .068 .070 .076	.101 .091 .084 .081 .078 .080 .080 .075 .075 .074 .079	.102 .096 .091 .086 .083 .081 .084 .087 .097	•110 •095 •088 •086 •076 •071 •070 •086 •095 •103 •102	.097 .091 .090 .089 .088 .091 .095 .098 .107 .110 .106	. 062 . 065 . 065 . 065 . 062 . 064 . 065 . 065 . 067 . 066 . 052 . 054	6 0.599 7 -0.95 8 -154 9 -170 10 -191 11 -252 12 0.73 13 0.73 14 0.77 15 0.83 16 0.88 17 0.71 18 0.29
-4,500 -4,200 -3,500 -3,000 -2,750 -2,500 -2,250 -2,000 -1,750 -1,250 -1,000 -750 -625 -500 -375	.078 .078 .076 .070 .071 .072 .086 .065 .084 .081 .057 .068 .077	.082 .082 .077 .088 .073 .076 .076 .077 .077 .077 .077 .070 .076	.101 .091 .084 .081 .078 .080 .080 .075 .075 .077 .079 .084	.102 .096 .091 .088 .081 .084 .081 .078 .087 .094	.110 .095 .088 .086 .076 .071 .070 .078 .086 .095 .103 .102	.097 .091 .090 .089 .088 .091 .095 .098 .107 .110 .110	. 062 . 065 . 065 . 065 . 062 . 064 . 065 . 067 . 066 . 052 . 054 . 060 . 065	6 059 7 -095 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 088 16 080 17 071 18 029
-4,500 -4,500 -3,500 -3,500 -2,750 -2,500 -2,250 -2,250 -1,500 -1,750 -1,500 -1,750 -6,25 -5,900 -3,750 -3,	.078 .078 .076 .070 .071 .072 .086 .065 .084 .081 .057 .068 .070 .077	.082 .082 .077 .088 .073 .076 .076 .077 .077 .077 .068 .070 .076	.101 .091 .084 .081 .078 .080 .080 .075 .074 .079 .084 .089	.102 .096 .091 .086 .083 .081 .084 .087 .097	.110 .095 .088 .086 .076 .071 .070 .078 .086 .095 .103 .102	.097 .091 .090 .089 .088 .091 .095 .098 .107 .110 .106	. 062 . 065 . 065 . 065 . 062 . 064 . 065 . 067 . 066 . 052 . 054 . 060 . 065 . 073	6 0059 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 088 16 080 17 071 18 029 19 -221 20 -188 21 -032
-4,500 -4,200 -3,500 -3,000 -2,750 -2,500 -2,250 -2,000 -1,750 -1,250 -1,000 -750 -625 -500 -375	.078 .078 .076 .070 .071 .072 .086 .065 .084 .081 .057 .068 .077	.082 .082 .077 .088 .073 .076 .076 .077 .077 .077 .077 .070 .076	.101 .091 .084 .081 .078 .080 .080 .075 .075 .077 .079 .084	.102 .096 .091 .088 .081 .084 .081 .078 .087 .094	.110 .095 .088 .086 .076 .071 .070 .078 .086 .095 .103 .102	.097 .091 .090 .089 .088 .091 .095 .098 .107 .110 .110	. 062 . 065 . 065 . 065 . 062 . 064 . 065 . 067 . 066 . 052 . 054 . 060 . 065	6 0.59 7095 8154 9170 10191 11252 12 0.73 13 0.73 14 0.77 15 0.68 16 0.68 17 0.71 18 0.29 19221 20181
-4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.750 -2.250 -1.750 -1.500 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	.078 .078 .076 .070 .071 .086 .065 .084 .081 .057 .068 .077 .089 .077	.082 .082 .077 .088 .073 .076 .077 .077 .077 .077 .077 .077 .088 .070 .088	101 091 084 080 080 075 075 074 079 084 094 096	.102 .096 .091 .086 .083 .081 .084 .081 .078 .087 .094 .100 .104 .110	.110 .095 .088 .086 .076 .071 .070 .078 .086 .095 .103 .102 .100 .100	.097 .091 .090 .089 .088 .091 .005 .098 .107 .110 .106 .104 .104	062 065 065 065 062 064 065 067 066 073 060 065	6 059 7 -095 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 083 16 080 17 071 18 029 19 -221 20 -181 21 -032
-4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.750 -2.250 -2.000 -1.750 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	.078 .078 .076 .070 .071 .086 .086 .086 .081 .057 .088 .077 .089	.082 .082 .077 .088 .073 .076 .077 .077 .077 .068 .070 .076 .081	.101 .091 .084 .081 .078 .080 .075 .075 .074 .079 .084 .096	. 102 .096 .091 .086 .083 .081 .084 .087 .097 .094 .096 .100 .110	.110 .095 .088 .086 .076 .071 .070 .078 .086 .095 .103 .102 .100 .100 .102	.097 .091 .090 .089 .088 .091 .005 .098 .107 .110 .106 .104 .104	062 065 065 065 062 064 065 066 067 066 052 054 060 073	6 059 7 -095 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 083 16 080 17 071 18 029 19 -221 20 -181 21 -032
-4,500 -3,500 -3,500 -3,000 -2,500 -2,500 -2,500 -2,250 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -3,750 -2,500 -3,750 -2,500 -3,750 -2,500 -3,750 -2,500 -3,750 -3	.078 .078 .076 .077 .071 .072 .086 .065 .081 .057 .068 .077 .087 .077 .089 .092 .099 .128	.082 .082 .077 .088 .073 .076 .077 .077 .077 .068 .070 .081 .089 .089	101 091 084 081 078 080 075 075 074 079 084 089 094 096 099 126	.102 .096 .091 .086 .083 .081 .084 .087 .097 .096 .100 .110 .126	.110 .095 .088 .086 .076 .071 .070 .078 .086 .095 .102 .100 .100 .102 .098 .121	.097 .091 .090 .089 .088 .091 .095 .098 .107 .110 .106 .104 .104	* 062 * 065 * 065 * 065 * 062 * 064 * 065 * 067 * 066 * 052 * 054 * 060 * 065 * 073 * 078 * 078 * 078	6 059 7 -095 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 083 16 080 17 071 18 029 19 -221 20 -181 21 -032
-4.500 -4.500 -3.500 -3.500 -2.750 -2.750 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -6.25 -5.000 -1.25 -0.000 -1.250	.078 .078 .076 .070 .071 .086 .085 .084 .081 .057 .068 .077 .087 .099 .128 .128 .148 .143 .162	.082 .082 .077 .088 .073 .076 .077 .077 .077 .077 .088 .089 .123 .140 -140 -153 -229	101 091 084 081 078 080 075 075 074 079 084 099 126	. 102 .096 .091 .086 .083 .081 .084 .087 .096 .100 .104 .110	.110 .095 .088 .086 .076 .071 .078 .086 .095 .103 .102 .100 .100 .100 .102 .098 .121	.097 .0991 .090 .089 .088 .091 .095 .098 .107 .110 .106 .104 .101	062 065 065 065 065 066 066 067 066 052 067 060 073 078 078	6 059 7 -095 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 083 16 080 17 071 18 029 19 -221 20 -181 21 -032
-4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.250 -375 -250 -375 -250 -375 -125 -375 -125 -375 -125 -375 -125 -375 -125 -375 -125 -375 -125 -375 -125 -375 -125 -375 -125 -375 -375 -375 -375 -375 -375 -375 -37	.078 .078 .076 .076 .077 .086 .065 .084 .081 .057 .068 .077 .089 .099 .128	.082 .082 .077 .088 .073 .076 .077 .077 .077 .068 .070 .076 .081 .089 .123 -140 -153 -229 -167	.101 .091 .084 .080 .080 .075 .075 .074 .079 .084 .094 .094 .096 .126 136 136 130 141 222	. 102 .096 .091 .086 .083 .084 .087 .097 .094 .100 .110 .126 -133 -123 -121 -138	.110 .095 .088 .086 .076 .071 .070 .078 .086 .095 .103 .102 .100 .100 .102 .098 .121	.097 .091 .090 .089 .088 .091 .095 .098 .107 .110 .106 .104 .101	* 062 * 065 * 065 * 065 * 062 * 064 * 065 * 067 * 066 * 052 * 054 * 060 * 065 * 073 * 078 * 078 * 078	6 059 7 -095 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 083 16 080 17 071 18 029 19 -221 20 -181 21 -032
-4.500 -3.500 -3.500 -3.500 -2.750 -2.250 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -125 -1000 -125 -1000 -175 -1000 -1750 -1250 -1000 -1750 -1250	.078 .078 .078 .076 .070 .071 .086 .065 .084 .081 .057 .068 .077 .087 .099 .128 -1148 -1143 -162 -1189 -116	.082 .082 .077 .088 .073 .076 .077 .077 .077 .078 .070 .076 .081 .088 .089 .123 .140 .140 .153 .229 .167 .122	.101 .091 .084 .081 .078 .080 .075 .075 .074 .079 .084 .089 .094 .099 .126 .136 .136 .141 .222 .223	. 102 .096 .091 .086 .083 .084 .084 .087 .096 .100 .104 .110 .110 .126 .123 .121 .134 .188 .222	.110 .095 .088 .086 .076 .071 .077 .086 .095 .103 .102 .100 .100 .100 .102 .098 .121	.097 .0991 .090 .089 .088 .091 .095 .098 .107 .110 .106 .104 .101	. 062 . 065 . 065 . 065 . 062 . 064 . 065 . 067 . 066 . 052 . 054 . 065 . 073 . 078 . 078 . 078 219 218 181 181 181 181	6 059 7 -095 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 083 16 080 17 071 18 029 19 -221 20 -181 21 -032
-4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250	.078 .078 .076 .076 .077 .086 .086 .086 .081 .057 .088 .077 .089 .099 .128 .148 .143 .162 .189 .1162	.082 .082 .077 .088 .073 .076 .077 .077 .077 .068 .070 .076 .081 .089 .123 -140 -153 -229 -167 -122 -167	.101 .091 .084 .080 .080 .075 .075 .074 .089 .094 .094 .094 .099 .126 136 130 141 222 257	. 102 .096 .091 .086 .083 .084 .087 .097 .094 .100 .110 .126 -133 -123 -121 -138	.110 .095 .088 .086 .076 .071 .070 .078 .086 .095 .103 .102 .100 .100 .102 .098 .121	-097 -099 -089 -088 -091 -095 -088 -091 -095 -107 -110 -106 -104 -101 -121	062 065 065 065 065 062 064 065 067 066 052 067 060 067 078 078 078 078 078 082 082 082	6 059 7 -095 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 083 16 080 17 071 18 029 19 -221 20 -181 21 -032
-4.500 -3.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.250 -1.500 -1.750 -1.500 -1.250	.078 .078 .078 .076 .070 .071 .086 .085 .084 .081 .057 .068 .077 .087 .089 .099 .128148143162189118911891189007	.082 .082 .077 .088 .073 .076 .077 .077 .077 .068 .070 .076 .081 .089 .123 -140 -153 -229 -167 -153 -055 -055 -055	.101 .091 .084 .080 .080 .075 .075 .074 .079 .084 .096 .099 .126 .130 .141 .222 .257 .175 .136 .141	. 102 .096 .091 .088 .083 .084 .081 .078 .094 .096 .100 .104 .110 .126 .123 .123 .123 .123 .124 .188 .222 .227 .180	-110 -095 -088 -086 -076 -071 -070 -078 -086 -095 -103 -102 -100 -102 -098 -121 -113 -101 -088 -080 -007 -007 -007 -007	.097 .0991 .090 .089 .088 .091 .095 .098 .107 .110 .104 .104 .101 .121	.062 .065 .065 .065 .062 .065 .066 .067 .066 .052 .054 .065 .073 .078 .078 .078 .181 .1169 .134 .082 .032 .032	6 059 7 -095 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 083 16 080 17 071 18 029 19 -221 20 -181 21 -032
-4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -1.750 -1.500 -1.750 -1.250	.078 .078 .076 .077 .071 .072 .086 .085 .084 .081 .057 .068 .077 .087 .089 .070 .077 .089 .128 -148 -143 -163 -1149 -114	.082 .082 .077 .088 .073 .076 .077 .077 .077 .068 .070 .081 .088 .089 .123 -140 -159 -229 -140 -159 -229 -122 -053 -020	101 091 084 081 078 080 075 075 077 084 089 099 126 -136 -	. 102 .096 .091 .086 .083 .081 .084 .087 .096 .100 .104 .110 .126 .133 .123 .123 .121 .134 .188 .222 .227 .188 .221 .188	.110 .095 .088 .086 .076 .071 .070 .078 .086 .095 .103 .102 .100 .100 .1002 .098 .121 -113 -113 -101 -088 -060 -007 .025 .044 .026 -005	-097 -099 -089 -089 -089 -091 -095 -098 -107 -110 -104 -104 -101 -121	062 065 065 065 065 062 064 065 067 066 052 067 060 078 078 078 078 078 082 082 084 085	6 059 7 -095 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 083 16 080 17 071 18 029 19 -221 20 -181 21 -032
-4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.250 -2.250 -2.250 -1.750 -1.500 -1.250 -1.250 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75	.078 .078 .078 .078 .076 .070 .071 .086 .065 .084 .081 .057 .068 .077 .087 .089 .099 .128148143162189116 .007 .077 .087	.082 .082 .077 .088 .073 .076 .077 .077 .077 .077 .088 .070 .081 .088 .089 .123 .140 .140 .153 .229 .140 .153 .053 .053	.101 .091 .084 .080 .078 .080 .075 .074 .079 .084 .096 .096 .126 .136 .130 .141 .222 .257 .1257 .136 .086 .081	. 102 .096 .091 .088 .083 .084 .087 .097 .096 .100 .104 .110 .126 .123 .123 .123 .123 .124 .134 .188 .222 .227 .189 .079	-110 -095 -088 -086 -076 -071 -078 -086 -095 -103 -102 -100 -100 -100 -101113101088050007 -025 -044 -026005022	-077 -091 -090 -089 -088 -091 -095 -098 -107 -110 -110 -106 -104 -101 -121 -072 -041 -005 -037 -044 -028 -022 -026	.062 .065 .065 .065 .062 .065 .065 .066 .065 .067 .066 .052 .074 .078 .078 .078 .078 .078 .078 .078 .078	6 059 7 -095 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 083 16 080 17 071 18 029 19 -221 20 -181 21 -032
-4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.250 -1	.078 .078 .078 .076 .077 .086 .065 .084 .081 .057 .068 .077 .089 .077 .089 .099 .128148143162189116 .007 .087 .097 .087 .097 .087 .097	.082 .082 .077 .088 .073 .076 .077 .077 .077 .068 .070 .076 .081 .089 .123 -140 -140 -153 -229 -167 -122 -053 -005	101 091 084 081 078 080 080 075 075 077 084 089 099 126 -136 -136 -136 -136 -136 -136 -081 -049	. 102 .096 .091 .086 .083 .081 .084 .087 .096 .100 .104 .110 .126 .123 .123 .121 .134 .188 .222 .227 .188 .222 .277 .188 .2779 .036	-110 -095 -088 -086 -076 -077 -078 -088 -095 -103 -102 -100 -102 -098 -121 -113101 -088 -060 -007 -025 -044 -025 -026 -005	-077 -091 -090 -089 -088 -091 -095 -098 -107 -110 -106 -104 -101 -121	062 065 065 065 065 062 064 065 067 066 078 078 078 078 078 078 078 082 082 084 084 085	6 0059 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 088 16 080 17 071 18 029 19 -221 20 -188 21 -032
-4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.250 -2.000 -1.750 -1.500 -1.250 -1.500 -1.250 -1.500 -1.250 -1.500 -1.250 -1.500 -1.250 -1.500 -1.250 -1.500 -1.250 -1.500 -1.250 -1.500 -1.250 -1.500 -1.250 -1.500 -1.250 -1.500 -1.250 -1.500 -1.250 -1.500 -1.250 -1.500	.078 .078 .078 .078 .070 .071 .086 .065 .084 .081 .057 .068 .077 .087 .089 .099 .12814814316218911481621891148055 .071 .0057 .0071 .0057 .0071 .0057 .0071 .0057 .0071 .0057 .0071	.082 .082 .077 .088 .073 .076 .077 .077 .077 .068 .070 .076 .081 .089 .123 .140 .153 .229 .140 .153 .020 .027	.101 .091 .084 .081 .078 .080 .075 .075 .074 .079 .084 .099 .126 .130 .141 .222 .257 .175 .136 .081 .049 .049	. 102 .096 .091 .086 .083 .081 .084 .087 .096 .100 .104 .110 .126 .123 .123 .123 .123 .123 .123 .123 .123	-110 -095 -088 -086 -076 -071 -078 -086 -095 -103 -102 -100 -100 -100 -101113101088050007 -025 -044 -026005022	-077 -091 -090 -089 -088 -091 -095 -098 -107 -110 -110 -106 -104 -101 -121 -072 -041 -005 -037 -044 -028 -022 -026	.062 .065 .065 .065 .062 .065 .065 .066 .065 .067 .066 .052 .074 .078 .078 .078 .078 .078 .078 .078 .078	6 0059 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 088 16 080 17 071 18 029 19 -221 20 -188 21 -032
-4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.250 -1	.078 .078 .078 .076 .077 .086 .065 .084 .081 .057 .068 .077 .089 .077 .089 .099 .128148143162189 .0162189 .017 .087 .097 .087 .097 .087 .097	.082 .082 .077 .088 .073 .076 .077 .077 .077 .068 .070 .076 .081 .089 .123 -140 -140 -153 -229 -167 -122 -053 -005	101 091 084 081 078 080 080 075 075 077 084 089 099 126 -136 -136 -136 -136 -136 -136 -081 -049	. 102 .096 .091 .086 .083 .081 .084 .087 .096 .100 .104 .110 .126 .123 .123 .121 .134 .188 .222 .227 .188 .222 .277 .188 .2779 .036	-110 -095 -088 -076 -071 -078 -086 -095 -103 -102 -100 -100 -102 -098 -121 -113101088060007 -025 -044 -046 -005022 -014 -005 -049 -047	-097 -099 -088 -091 -099 -088 -091 -095 -098 -107 -110 -106 -104 -101 -121 -072 -041 -005 -037 -044 -028 -028 -027 -119 -085 -076	062 065 065 065 065 062 064 065 067 066 078 078 078 078 078 078 078 082 082 084 084 085	6 0059 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 088 16 080 17 071 18 029 19 -221 20 -188 21 -032
-4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.750 -2.250 -1.750 -1.500 -1.750 -1.500 -1.750 -3.75 -500 -3.75 -500 -3.75 -1.000 -3.75 -1.000 -3.75	.078 .078 .078 .078 .070 .071 .086 .065 .084 .081 .057 .068 .077 .087 .089 .099 .12814814316218911481621891148055 .071 .0057 .0071 .0057 .0071 .0057 .0071 .0057 .0071 .0057 .0071	.082 .082 .077 .088 .073 .076 .077 .077 .077 .068 .070 .076 .081 .089 .123 .140 .153 .229 .140 .153 .020 .027 .032 .034 .032 .034 .032 .034	.101 .091 .084 .080 .078 .080 .075 .075 .074 .079 .084 .096 .126 .136 .141 .222 .257 .175 .136 .081 .042 .094 .096	. 102 .096 .091 .088 .083 .084 .087 .096 .100 .104 .110 .126 .123 .123 .123 .123 .123 .123 .123 .123	-110 -095 -088 -086 -076 -071 -078 -088 -095 -103 -102 -100 -102 -098 -121 -113 -101 -088 -080 -005 -044 -005 -022 -014 -005 -022 -014 -005 -047 -030	-077 -091 -090 -089 -088 -091 -095 -098 -107 -110 -104 -101 -101 -102 -072 -041 -005 -017 -119 -028 -028 -026 -017 -119 -005 -076 -1187	062 065 065 065 065 062 064 065 067 066 078 078 078 078 078 078 078 082 082 084 084 085	6 0059 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 088 16 080 17 071 18 029 19 -221 20 -188 21 -032
-4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -1	.078 .078 .078 .077 .070 .071 .086 .085 .084 .081 .057 .068 .077 .087 .087 .099 .1281431621891148163163 .071 .055 .071097 .097 .097	.082 .082 .077 .088 .073 .076 .077 .077 .077 .068 .070 .081 .088 .089 .123 .140 .140 .159 .229 .140 .159 .020 .027 .031 .032 .034 .032 .006 .006 .006	.101 .091 .084 .081 .078 .080 .080 .075 .074 .079 .084 .089 .094 .096 .099 .126 .136 .131 .222 .223 .175 .136 .088 .0881 .049 .042 .037 .018 .011	. 102 .096 .091 .086 .083 .084 .087 .096 .100 .104 .110 .126 .133 .123 .121 .134 .128 .227 .188 .227 .188 .079 .036 .036 .037	-110 -095 -088 -086 -076 -077 -078 -086 -095 -103 -102 -100 -100 -100 -102 -098 -121 -113101088060007 -025 -044 -026022 -014 -005 -022 -014 -005 -027 -030 -031	-097 -099 -088 -091 -099 -088 -091 -095 -098 -107 -110 -106 -104 -101 -121 -072 -041 -005 -037 -044 -028 -026 -017 -119 -085 -076 -187 -174	062 065 065 065 065 062 064 065 067 066 078 078 078 078 078 078 078 082 082 084 084 085	6 0059 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 088 16 080 17 071 18 029 19 -221 20 -188 21 -032
-4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.750 -2.500 -1.750 -1.500 -1.500 -1.250 -1	.078 .078 .078 .076 .077 .086 .065 .084 .081 .057 .087 .087 .089 .077 .089 .099 .128 -148 -1143 -1162 -189 -1167 .0055 .071 .087 .089 .099	.082 .082 .077 .088 .073 .076 .077 .077 .077 .068 .070 .076 .081 .089 .123 .140 .153 .229 .140 .153 .020 .027 .032 .034 .032 .034 .032 .034	.101 .091 .084 .080 .078 .080 .075 .075 .074 .079 .084 .096 .126 .136 .141 .222 .257 .175 .136 .081 .042 .094 .096	. 102 .096 .091 .088 .083 .084 .087 .096 .100 .104 .110 .126 .123 .123 .123 .123 .123 .123 .123 .123	-110 -095 -088 -086 -076 -071 -078 -088 -095 -103 -102 -100 -102 -098 -121 -113 -101 -088 -080 -005 -044 -005 -022 -014 -005 -022 -014 -005 -047 -030	-077 -091 -090 -089 -088 -091 -095 -098 -107 -110 -104 -101 -101 -102 -072 -041 -005 -017 -119 -028 -028 -026 -017 -119 -005 -076 -1187	062 065 065 065 065 062 064 065 067 066 078 078 078 078 078 078 078 082 082 084 084 085	6 0059 8 -154 9 -170 10 -191 11 -252 12 073 13 073 14 077 15 088 16 080 17 071 18 029 19 -221 20 -188 21 -032

Table 03 Plate and Spoiler Pressure Coefficients Configuration 2 M= 1.61 R= 0.30 x 10⁶

v in	T Por O	Row I	Row 3	Plate Row 4	Row 6	Row 7	Row 9	Spoiler Orifice No.
x, in.	Row 0	Row I	NOW 3			11011	1104 3	Joined 110.
				Λ=	00			
-6.000	•008	•004	•012	•290 •363	•386 •395	•370 •366		2 •534
-5.500 -5.000	.008	•006 •035	•313	• 383	• 404	•362		3 .459
-4.500	.268	•310	•374	•402	•413	•364		4 • 485
-4.000	•363	•372	•396	• 406	•418	•365	•357	5 • 545
-3.500	•392	•392	• 406	•411	•418	•369	•387	6 •635
-3.000	•403	•403	•415	.417	• 409	•374	•400	7 .586
-2.750	• 407	•410	•412	•418	•403	•377	• 403	8 352
-2.500	•410	•409	• 413	• 415	•398	•382 •389	• 409 • 407	9354
-2.250	•418	•416	•415 •411	•411	•391 •386	•398	.410	11352
-2.000 -1.750	•410 •418	•414	•397	• 397	•383	•408	• 406	12 .558
-1.500	•410	• 405	•392	• 386	•384	.432	•399	13 .479
-1.250	•381	•395	•379	.381	.393	•453	.381	14 .459
-1.000	•384	•384	•385	•383	.409	.487	•366	15 •500
750	•381	•381	• 387	• 396	•437	•530	• 363	16 •571
625	•390	•388	•397	•413	4457	•547	• 373	17 .686
500	•402	•392	•420	• 433	4484	•572	•389	18 • 746
375	• 427	•431	•448	• 471	4523	•594	• 424 • 491	19 348 20 353
250	• 475	• 479	•498	•526	•574 •601	•602	.595	21 351
125	•567 •581	•581	•581 •583	•580	•584	•586	.605	22 350
• 250	352	355	350	352 356	-,345		350 352	
•375	352 356	-•358 -•356	353 356	357	-4345		355	
• 750	358	358	356	356	346	347	357	
1.000	352	330	355	358	-4349	347	350	
1.250	337	336	344	343	348	347	330	
1.500	313	311	320	332	-+348	347	303	
1.750	215	280	292	317	348	347	273	
2.000	245	243	245	301	344	347	239	
2.250	211	212	234	285	337	345	207 179	
2.500	184	176	205 185	261	-•324 -•311	345 345	152	
2.750	157	153	166	236 215	297	347	132	
3.000	137 107	-•131 -•104	125	173	265	347	****	
4.000	082	080	105	140	-,232	339		
4.500	072	070	084	107	198	330		
5.000	061	059	065	081	166	320		
5.500	061	051	050	059	136	294		
6.000	055	042	036	043	-+097	255		
				Λ=	15°		Ske A SE	
-6.000	•005	•001	•013	•314	•380	£308		1 .524
-5.500	•006	•001	•184	• 361	*381	•298		
-5.000	•046	•145	•330	• 365	•381	•303		3 • 450
-4.500	•295	•315	• 361	• 376	•378 •375	•309 •316	•357	5 .524
-4.000 -3.500	•351	•351 •364	•369 •377	•372 •375	•376	•327	•372	6 .605
-3.000	•385	•374	.381	•378	•377	.343	•381	7 .533
-2.750	388	•384	•376	.378	•375	.349	.382	8349
-2.500	•390	•385	•382	•378	•374	.353	•385	9 351
-2.250	•397	•390	•384	•378	•373	•353	•386	10353
-2.000	•395	•391	•384	•381	•370	•355	•387	11349
-1.750	•400	• 395	•387	•383	•370	•361	•382	12 •504
-1.500	•395	•389	•381	•376	•361	*376	*374	13 • 443
-1.250	• 361	• 381	*369	• 363 • 355	•358 •373	• 402 • 442	•362 •351	14 • 424 15 • 455
-1.000 750	•366 •358	• 364 • 357	•361 •363	•370	•407	• 492	•347	16 •511
625	•368	•368	• 372	.387	•432	•522	•355	17 .600
500	•387	• 376	.396	.416	•465	.550	.368	18 .642
375	•418	•420	•431	• 456	•507	•578	•396	19 342
250	• 473	• 474	• 486	.513	•561	•585	• 452	20344
125	•561		• 565		•583		•539	21346
•000	•566	•565	.561	•560	•567	•569	• 543	22 344
•250	348	348	348	348			345	
•375	347	352	353	356	336		346	
•500	355	353	352	355	341		347	
•750	357	356	356	353	338	340	349	
1.000	353	328	356	353 335	342 340	340 340	-•345 -•327	
1.250	334	337	351 334	335	341	339	306	
1.500	312 216	316 288	314	322	339	338	277	The state of the s
2.000	216	258	272	307	337	337	246	
	219	233	264	290	333	337	219	
2.250	196	206	231	269	325	336	193	In the second second
2.250	173	181	209	244	312	340	170	
2.250 2.500 2.750	- 0 7 1 7		194	219	301	342	151	
2.500 2.750 3.000	154	159						
2.500 2.750 3.000 3.500	154 125	127	145	180	269	337		
2.500 2.750 3.000 3.500 4.000	154 125 093	-•127 -•099	145 124	180 147	236	333		
2 • 500 2 • 750 3 • 000 3 • 500 4 • 000 4 • 500	154 125 093 078	-•127 -•099 -•081	-•145 -•124 -•105	180 147 122	236 205	333 325		
2.500 2.750 3.000 3.500 4.000	154 125 093	-•127 -•099	145 124	180 147	236	333		

Table ⁰³ Continued

Plate and Spoiler Pressure Coefficients

Configuration ² M= 1.61 R= 0.30 x 10.6

		Configu	uration 2	M= 1	.01	R= 0.30	X10°		
				Plate	THE PARTY			Spoi	iler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
					30°				
-6.000 -5.500	.008	•008	•017	• 244	•361	•307 •257		1 2	• 378 • 318
-5.000	• 285	•289	•340	•371	•362	•238		3	+300
-4.500 -4.000	•323	•335	•363	•377	•341	•231	•320	5	.310 .344
-3.500	.333	• 344	•361	• 350	•266	•217	•317	6	.396
-3.000	• 334	•344	•355	•319	•236	•217	•318	7	• 334
-2.750 -2.500	•337	•350 •336	•334	• 299 • 276	•226	•220	•318 •321	8 9	324 325
-2.250	•331	•326	•300	• 259	•208	•231	•320	10	327
-2.000 -1.750	•312	•308 •289	• 286 • 263	•244	•207	•242	•320 •321	11	321 .408
-1.500	•279	• 266	•237	.220	•206 •210	•282	•321	13	.373
-1.250 -1.000	•247	•247	•221 •226	•211 •216	•220	•308 •345	•320 •316	14	.372 .391
750	•230	• 225	.226	•234	•277	•386	•313	16	.417
-•625	•234	•231	•236	• 251	•302	•407	•314	17	. 445
500 375	•243	•238 •275	•262	•277 •319	•336 •382	•432 •452	•320 •337	18	.387 301
250	•323	•328	•347	•381	•427	.449	•370	20	301
125 .000	•420	•428	•436	• 426	•443	•429	• 435	21 22	297 301
• 250	324	-:323	317	316			298	of a self-	
•375	321	328	322	320	309		298		
•500	331	328	322	321	308	303	301		
1.000	335 321	333 299	325	322 326	308 308	303	298 300		
1.250	295	298	307	313	308	304	296		
1.500	268	-•264 -•231	282	304 289	308	304 298	286 269		
2.000	205	207	216	274	305	298	250		
2 • 250	171	178	204	258	297	-•297 -•297	226		
2.500	142	-•155 -•138	-•184 -•164	244	286	295	203 181		
3.000	102	117	150	210	279	298	162		
3 • 500 4 • 000	079	-•092 -•067	112 101	181 157	262	-•294 -•286			
4.500	048	050	084	137	223	282			
5.000	044	036 025	069	118 106	205 183	-•278 -•268			
6.000	027	018	046	093	168	253			
				Λ= 4	45°				
-6.000	•005	001	•010	•006	•306	*350	The state of the s	1	.369
-5.500 -5.000	•047	•001 •194	•012	•212	•348	•264 •211		2 3	.349 .310
-4.500	• 285	• 283	•311	•332	•331	.203		4	.300
-4.000 -3.500	•293	•302 •299	•322	•331 •321	•289 •240	•207 •222	•278 •271	5 6	•332 •397
-3.000	293	•304	•318	•280	•200	.260	• 268	7	.359
-2.750	• 293	•310	• 295	• 247	•185	•289	• 268	8	329
-2.500 -2.250	• 285 • 271	•290 •268	• 275 • 241	•222 •196	•183 •175	•310 •337	• 269 • 259	9	331 333
-2.000	•237	•237	•213	•176	•178	.361	• 244	11	329
-1.750 -1.500	• 207 • 173	•202	•179 •155	• 162 • 155	•191 •211	•383 •402	•227	12	· 252 · 203
-1.250	129	•164 •146	.146	•164	•243	+411	•171	14	.182
-1.000	•135	•141	•157	•195	•290	•425	•145	15	•193
750 625	•152 •182	•164 •192	•192 •225	• 245 • 279	• 344 • 365	•435 •433	•132 •132	16	.230 .282
500	•223	•236	•270	•316	•389	•434	•141	18	.275
375 250	•274	•289 •345	•322 •367	•355 •393	•407 •417	•427 •418	•166 •215	19	294 270
125	•394	• 343	•403	. 575	•404	*410	•282	21	220
•000	•390	•390	•391	•388	•393	•395	•271	22	222
• 250	322	320	316	316	- 201		278		
• 375	319 324	318 314	-•314 -•312	315 310	304		293 290		
• 750	360	310	292	300	289	-,288	276		
1.000	381	-+315 317	242	284	284 293	263 226	-•280 -•292		
1.250	345 335	317 289	219	259	313	203	294		
1.750	242	274	229	271	330	182	286		
2.000	-•304 -•311	-•260 -•235	202	279 277	307 255	164 161	265 243	4-	
2.500	282	206	209	269	226	187	223		
	314	202	217	252	223	-,233	202		
2.750	333	185	219 195	232 182	242 269	290 244	184		
3.000	150	127							
3.000 3.500 4.000	-•150 •011	-•127 -•115	171	161	254	249			
3.000 3.500 4.000 4.500	•011	115 .018	-•171 -•139	161 156	254 219	278			
3.000 3.500 4.000	•011	115	171	161	254				

Table 03 Concluded
Plate and Spoiler Pressure Coefficients

Configuration 2 M= 1.61 R= 0.30 × 10.6

				Plate				Spoiler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.
				Λ=	60°			
-6.000	•003	001	•006 •005	•005	•007	•281		1 •339
-5.500 -5.000	•005	•001		•004	•150	•267		2 • 340
-4.500	144	•088	•007 •115	.057 .210	•250 •267	•186 •146		3 • 345 4 • 345
-4.000	•199	•188	•213	•241	:257	•162	.215	5 • 340
-3.500	•221	•221	•237	.244	•216	•225	.219	6 • 321
-3.000	•231	•229	•237	• 242	.144	•331	.219	7 .042
-2.750	•229	.234	.234	.226	.130	•375	.216	8308
-2.500	•229	•229	.231	•191	.139	•399	.219	9313
-2.250	•234	•227	.215	•146	.155	•408	.214	10318
-2.000	•208	•207	•173	•125	•193	•401	.205	11339
-1.750	•177	•161	•125	•139	•255	•397	.188	12 • 247
-1.500	•128	•124	•124	•170	•321	•395	• 156	13 •250
-1.250	•115	•135	•156	• 240	•358	•387	.129	14 • 257
-1.000	•178	•192	•242	• 320	•369	•383	•133	15 • 269
750	• 266	• 281	•322	• 356	•373	•379	•169	16 • 284
-•625 -•500	•312	•316	•341	• 357	•370	•371	.189	17 • 283
	•334	• 327	•352	•357	•360	•367	•212	18 •172
-•375	•337	• 343	• 352	• 355	•360	•362	• 232	19 262
250 125	•342	•340	• 350	• 356	•357	•357	• 249	20 242
•000	•348	• 346	•351 •353	.350	•349 •350	•347	• 257 • 255	21 -• 221 -• 227
• 250	294	292	286	=. 200			257	
•375	295	292	286	289 289	281		269	
•500	300	295	287	289	279		259	
• 750	315	279	274	281	276	277	269	
1.000	382	275	270	277	269	271	313	
1.250	425	358	319	287	264	257	313	
1.500	416	413	353	339	262	245	285	
1.750	-+266	387	398	370	225	221	302	
2.000	230	327	376	321	229	193	353	
2 • 250	106	244	362	318 360	294	165	333	
2.500	020 .021	164 099	294	353	294 277	-•155 -•182	-•293 -•230	
3.000	.024	058	156	316	278	266	137	
3.500	•005	023	039	230	302	258	• 134	
4.000	008	008	•016	155	328	318		
4.500	017	003	•039	056	327	306		
5.000	019	003	•045	.026	320	260		
5.500	015	•001	•045 •041	•075	310 289	248		
0.000		• 004	•041	• 085	0207	244		
				Λ=	75 °			
		•003	*00B					1 .094
-6.000 -5.500	•011 •017	•003 •003	•008 •008	•005	•010 •021	•123		1 •094 2 •098
-6.000 -5.500 -5.000	•011		.008 .008 .012		•010			2 •098
-5.500 -5.000 -4.500	.011 .017 .046 .075	•003 •007 •045	.008 .012 .048	•005	•010 •021	•123 •177		2 •098
-5.500 -5.000 -4.500 -4.000	.011 .017 .046 .075	.003 .007 .045 .080	.008 .012 .048 .095	.005 .006 .012 .077	.010 .021 .093 .135	•123 •177 •167	•066	2 •098 3 •097
-5.500 -5.000 -4.500 -4.000 -3.500	*011 *017 *046 *075 *081 *075	.003 .007 .045 .080	.008 .012 .048 .095	.005 .006 .012 .077 .109	•010 •021 •093 •135 •128 •116	•123 •177 •167 •140 •119 •107	.068	2 • 098 3 • 097 4 • 091 5 • 081 6 • 065
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000	.011 .017 .046 .075 .081 .075	.003 .007 .045 .080 .083	.008 .012 .048 .095 .103	.005 .006 .012 .077 .109 .102	•010 •021 •093 •135 •128 •116 •104	•123 •177 •167 •140 •119 •107	.068 .066	2 •098 3 •097 4 •091 5 •081 6 •065 7 -•110
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750	*011 *017 *046 *075 *081 *075 *071	.003 .007 .045 .080 .083 .077	.008 .012 .048 .095 .103 .096	.005 .006 .012 .077 .109 .102	.010 .021 .093 .135 .128 .116	•123 •177 •167 •140 •119 •107 •101	.068 .066	2
-5.500 -5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500	*011 *017 *046 *075 *081 *075 *071 *071	.003 .007 .045 .080 .083 .077 .087	.008 .012 .048 .095 .103 .096	.005 .006 .012 .077 .109 .102 .095	.010 .021 .093 .135 .128 .116 .104	•123 •177 •167 •140 •119 •107 •101 •100 •098	.068 .066 .066	2
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250	.011 .017 .046 .075 .081 .075 .071 .071	.003 .007 .045 .080 .083 .077 .087	.008 .012 .048 .095 .103 .096 .088	.005 .006 .012 .077 .109 .102 .095 .089	.010 .021 .093 .135 .128 .116 .104 .097	•123 •177 •167 •140 •119 •107 •101 •100 •098 •098	.068 .066 .066 .066	2
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000	*011 *017 *046 *075 *081 *075 *071 *071 *071 *081 *069	.003 .007 .045 .080 .083 .077 .087 .075	.008 .012 .048 .095 .103 .096 .088 .083 .082	.005 .006 .012 .077 .109 .102 .095 .089 .085	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076	123 177 167 140 119 107 101 100 098	.068 .066 .066 .066 .063	2
-5.500 -5.000 -4.500 -4.500 -3.500 -3.000 -2.750 -2.500 -2.250 -2.250 -1.750	.011 .017 .046 .075 .081 .075 .071 .071 .071 .081 .069	.003 .007 .045 .080 .083 .077 .087 .075 .075	.008 .012 .048 .095 .103 .096 .088 .083 .082	.005 .006 .012 .077 .109 .102 .095 .089 .085 .084 .082	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098	.068 .066 .066 .066 .063 .065	2
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750	.011 .017 .046 .075 .081 .075 .071 .071 .071 .081 .069 .082	.003 .007 .045 .080 .083 .077 .075 .077 .078	.008 .012 .048 .095 .103 .096 .088 .083 .082 .080	.005 .006 .012 .077 .109 .102 .095 .089 .085 .084 .082	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076 .073	•123 •177 •167 •140 •119 •100 •098 •098 •102 •106	.068 .066 .066 .066 .063 .065 .064	2
-5.500 -5.000 -4.500 -4.500 -3.500 -3.000 -2.750 -2.500 -2.250 -2.250 -1.750	.011 .017 .046 .075 .081 .075 .071 .071 .071 .081 .069	.003 .007 .045 .080 .083 .077 .075 .077 .078	.008 .012 .048 .095 .103 .096 .088 .082 .080 .081	.005 .006 .012 .077 .109 .102 .095 .089 .085 .084 .082 .070	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076 .073	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098 .102 .106 .115	.068 .066 .066 .066 .063 .065 .064	2
-5.500 -5.000 -4.500 -4.000 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250	*011 *017 *046 *075 *081 *075 *071 *071 *081 *069 *082 *079 *055	.003 .007 .045 .080 .083 .077 .075 .077 .078	.008 .012 .048 .095 .103 .096 .088 .083 .082 .080	.005 .006 .012 .077 .109 .102 .095 .089 .085 .084 .082	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076 .073	•123 •177 •167 •140 •119 •100 •098 •098 •102 •106	.068 .066 .066 .066 .063 .065 .064	2
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.250 -1.250	.011 .017 .046 .075 .081 .075 .071 .071 .081 .069 .082 .079	.003 .007 .045 .080 .083 .077 .075 .077 .078 .080 .079	.008 .012 .048 .095 .103 .096 .088 .082 .080 .081	.005 .006 .012 .077 .109 .102 .095 .089 .089 .084 .082 .070 .080	.010 .021 .093 .135 .128 .116 .104 .097 .079 .076 .073 .079 .087	.123 .177 .167 .140 .119 .100 .098 .098 .098 .102 .106	.068 .066 .066 .066 .063 .065 .065 .065	2
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.600 -2.750 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -7.50 -6.25 -5.000	.011 .017 .046 .075 .081 .075 .071 .071 .071 .081 .069 .082 .079 .055 .068	.003 .007 .045 .080 .083 .077 .075 .077 .078 .080 .079 .080 .079	.008 .012 .048 .095 .103 .096 .088 .082 .080 .081 .075 .069	.005 .006 .012 .077 .109 .102 .095 .089 .085 .084 .082 .082 .082	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076 .073 .079 .087	.123 .177 .167 .140 .119 .107 .101 .008 .098 .098 .102 .106 .115	.068 .066 .066 .066 .063 .065 .064 .065 .065	2
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.600 -750 -625 -500 -375	.011 .017 .016 .075 .081 .075 .071 .071 .081 .069 .082 .079 .055 .068 .075 .082	.003 .007 .045 .080 .083 .077 .075 .077 .078 .080 .079 .080	.008 .012 .048 .095 .103 .096 .083 .082 .080 .081 .075 .669 .087	.005 .006 .012 .077 .109 .102 .085 .089 .084 .082 .070 .080 .091 .097	010 021 093 135 128 116 104 097 089 076 073 087 087 107 111	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098 .098 .102 .106 .115 .116 .111	. 068 . 066 . 066 . 066 . 063 . 065 . 064 . 065 . 065 . 065 . 065 . 052 . 055 . 060 . 069	2
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -3.750 -6.25 -3.750 -3.750 -3.750 -3.750 -3.750	.011 .017 .046 .075 .081 .075 .071 .071 .071 .081 .069 .082 .079 .055 .068 .075 .082	.003 .007 .045 .080 .083 .077 .075 .077 .078 .080 .079 .080 .079	.008 .012 .048 .095 .103 .096 .088 .083 .082 .080 .081 .075 .069 .087 .094 .100	.005 .006 .012 .077 .109 .102 .095 .089 .085 .082 .070 .080 .091	.010 .021 .093 .135 .128 .116 .104 .097 .089 .075 .079 .087 .098 .107 .111 .111	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098 .102 .106 .115 .116 .111	. 068 . 066 . 066 . 063 . 063 . 065 . 065 . 065 . 062 . 052 . 055 . 060 . 069	2
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.550 -2.550 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -3.750	0011 0017 0046 0075 0081 0071 0071 0071 0081 0069 0082 0079 0055 0088 0075 0082	.003 .007 .045 .080 .083 .077 .087 .075 .077 .078 .080 .079 .080 .070 .082 .075 .085	.008 .012 .048 .095 .103 .096 .088 .082 .080 .081 .075 .069 .087 .094 .100	.005 .006 .012 .077 .109 .102 .085 .089 .084 .082 .070 .080 .091 .091 .097	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076 .073 .079 .087 .098 .107 .111 .111	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098 .102 .106 .115 .116 .111 .109 .109	068 066 066 066 063 065 065 065 065 065 065 065 065 069	2
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -1.750 -1.500 -1.250 -1.000 -7.750 -6.25 -5.000 -3.750 -3.	0011 0017 0046 0075 0081 0071 0071 0071 0081 0069 0082 0079 0055 0068 0075 0082 0093 1000	.003 .007 .045 .080 .083 .077 .087 .077 .078 .080 .079 .080 .070 .082 .075 .096	.008 .012 .048 .095 .103 .096 .088 .082 .080 .081 .075 .069 .087 .094 .100 .101 .106 .107	.005 .006 .012 .077 .109 .102 .085 .089 .084 .082 .070 .080 .091 .097	.010 .021 .093 .135 .128 .116 .104 .097 .089 .075 .079 .087 .098 .107 .111 .111	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098 .098 .102 .106 .115 .116 .111	. 068 . 066 . 066 . 063 . 063 . 065 . 065 . 065 . 062 . 052 . 055 . 060 . 069	2
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -1.750 -1.500 -3.000 -3.750 -3.000 -3.750 -3.000 -3.750 -3.000 -3.750 -3.000 -3.750 -3.000 -3.750 -3.000 -3.750 -3.000 -3.750 -3.000 -3.750 -3.000 -3.750 -3.000 -3.750 -3.000 -3	.011 .017 .046 .075 .081 .075 .071 .071 .081 .069 .082 .079 .055 .068 .075 .082 .091 .093 .100	.003 .007 .045 .080 .083 .077 .087 .075 .077 .078 .080 .079 .080 .070 .080 .082 .075 .096	.008 .012 .048 .095 .103 .096 .088 .082 .080 .081 .075 .087 .094 .100 .101 .106 .109 .107	.005 .006 .012 .077 .109 .102 .095 .089 .082 .070 .080 .091 .097 .099 .101 .102	.010 .021 .093 .135 .128 .116 .104 .097 .089 .075 .079 .087 .089 .107 .111 .111 .107 .109 .109 .109	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098 .102 .106 .115 .116 .111 .109 .109	. 068 . 066 . 066 . 066 . 063 . 065 . 065 . 065 . 065 . 065 . 065 . 065 . 067 . 069 . 075 . 080 . 078	2
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.750 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1	.011 .017 .046 .075 .081 .075 .071 .071 .071 .081 .069 .082 .079 .055 .068 .075 .082 .079 .093 .100 .104 .117	.003 .007 .045 .080 .083 .077 .087 .075 .077 .078 .080 .079 .080 .070 .080 .096 .096	.008 .012 .048 .095 .103 .096 .088 .083 .082 .080 .081 .075 .069 .087 .094 .100 .101 .106 .107 .122	.005 .006 .012 .077 .109 .102 .095 .089 .084 .082 .070 .080 .091 .097 .099 .101 .102 .109	.010 .021 .093 .135 .128 .116 .097 .089 .076 .073 .079 .087 .087 .098 .107 .111 .107 .109 .106 .117	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098 .102 .106 .115 .116 .111 .109 .109	. 068 . 066 . 066 . 066 . 063 . 064 . 065 . 065 . 065 . 065 . 065 . 065 . 065 . 069 . 075 . 060 . 075 . 080 . 078	2
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.250 -1.000 -375 -250 -2.000	.011 .017 .046 .075 .081 .075 .071 .071 .071 .081 .082 .079 .055 .068 .075 .082 .091 .093 .100 .104 .117	.003 .007 .045 .080 .083 .077 .087 .075 .077 .078 .080 .079 .080 .070 .082 .075 .096 .096	.008 .012 .048 .095 .103 .096 .083 .082 .080 .081 .075 .069 .087 .100 .101 .106 .109 .107 .122	.005 .006 .012 .077 .109 .102 .085 .089 .082 .070 .080 .091 .097 .097 .101 .102 .109 .114	.010 .021 .099 .135 .128 .116 .104 .097 .089 .075 .079 .087 .098 .107 .111 .107 .109 .109 .117	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098 .102 .106 .115 .116 .111 .111 .109 .109	. 068 . 066 . 066 . 063 . 065 . 064 . 065 . 065 . 065 . 065 . 065 . 069 . 075 . 080 . 078	2
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -1.750 -1.500 -1.750 -1.500 -3.75 -5.000 -3.75 -5.000 -3.75 -5.000 -3.75 -5.000 -3.75 -5.000 -3.75 -5.000 -3.75 -5.000 -3.75 -5.000 -3.75 -5.000 -3.75 -5.000	.011 .017 .046 .075 .081 .075 .071 .071 .071 .081 .069 .082 .079 .055 .068 .075 .082 .079 .093 .100 .104 .117	.003 .007 .045 .080 .083 .077 .087 .075 .077 .078 .080 .079 .080 .070 .080 .096 .096 .096	.008 .012 .048 .095 .103 .096 .088 .083 .082 .080 .081 .075 .069 .087 .094 .100 .106 .109 .107 .122	.005 .006 .012 .077 .109 .102 .095 .089 .084 .082 .070 .080 .091 .097 .099 .101 .102 .109	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076 .073 .079 .087 .098 .107 .111 .1107 .109 .106 .117	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098 .102 .106 .115 .116 .111 .109 .109	.068 .066 .066 .066 .063 .065 .065 .065 .065 .065 .065 .067 .075 .060 .075 .075 .078	2
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -3.500 -3.750	.011 .017 .016 .075 .081 .075 .071 .071 .071 .081 .069 .082 .079 .055 .068 .075 .082 .091 .093 .100 .117	.003 .007 .045 .080 .083 .077 .087 .075 .077 .078 .080 .079 .080 .070 .082 .075 .096 .096	.008 .012 .048 .095 .103 .096 .083 .082 .080 .081 .075 .069 .087 .100 .101 .106 .107 .122	.005 .006 .012 .077 .109 .102 .085 .089 .082 .070 .080 .091 .097 .099 .101 .102 .109 .114	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076 .073 .079 .087 .087 .107 .111 .111 .107 .109 .106 .117	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098 .098 .102 .106 .115 .116 .111 .109 .107 .116	. 068 . 066 . 066 . 066 . 063 . 065 . 064 . 065 . 065 . 065 . 065 . 065 . 067 . 075 . 080 . 078 . 078 . 078 . 078 . 078 . 078	2
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.000 -1.750 -1.500 -7.50 -6.25 -1.000 -375 -0.000 -375 -0.000 -375 -0.000 -375 -0.000 -375 -0.000 -375 -0.000 -375 -0.000 -375 -0.000 -375 -0.000 -375	.011 .017 .046 .075 .081 .071 .071 .071 .081 .069 .082 .079 .055 .068 .075 .082 .091 .093 .100 .104 .117	.003 .007 .045 .080 .083 .077 .087 .075 .077 .088 .079 .080 .070 .080 .096 .096 .096	.008 .012 .048 .095 .103 .096 .088 .083 .082 .080 .081 .075 .069 .094 .100 .101 .106 .109 .107 .122	.005 .006 .012 .077 .109 .102 .089 .085 .084 .082 .070 .080 .091 .097 .099 .101 .102 .109 .114	.010 .021 .093 .135 .128 .116 .104 .097 .008 .076 .079 .087 .098 .107 .111 .1107 .109 .106 .117	.123 .177 .167 .140 .119 .100 .098 .098 .102 .106 .115 .116 .111 .109 .109 .107	.068 .066 .066 .066 .063 .065 .065 .065 .065 .065 .065 .069 .075 .080 .075 .080 .075 .080 .078	2
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -375 -250 -1.000 -375 -250 -1.000 -375 -250 -1.000 -375 -1.500 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	.011 .017 .016 .075 .081 .075 .071 .071 .081 .069 .082 .079 .055 .068 .075 .082 .091 .093 .100 .117	.003 .007 .045 .080 .083 .077 .087 .077 .078 .080 .079 .080 .070 .080 .075 .096 .096 .096 .096	.008 .012 .048 .095 .103 .096 .088 .083 .082 .080 .081 .075 .069 .087 .100 .101 .106 .109 .107 .122 -131 -125 -132 -211 -224 -220 -169	.005 .006 .012 .077 .109 .102 .085 .089 .082 .070 .080 .091 .097 .099 .101 .102 .109 .114	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076 .073 .079 .087 .011 .107 .109 .109 .106 .117	.123 .177 .167 .140 .119 .100 .098 .098 .098 .106 .116 .116 .111 .109 .109 .107	. 068 . 066 . 066 . 066 . 065 . 065 . 065 . 065 . 065 . 065 . 065 . 065 . 075 . 080 . 078 . 078 . 078 . 078 . 078 . 078 . 078 . 079 . 079	2
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.000 -1.750 -1.500 -7.50 -6.25 -1.000 -375 -0.000 -375 -0.000 -375 -0.000 -375 -0.000 -375 -0.000 -375 -0.000 -375 -0.000 -375 -0.000 -375 -0.000 -375 -0.000 -375 -0.000 -375 -0.000	.011 .017 .046 .075 .081 .071 .071 .071 .081 .069 .082 .079 .055 .068 .075 .082 .091 .093 .100 .104 .117	.003 .007 .045 .080 .083 .077 .087 .075 .077 .088 .079 .080 .070 .080 .096 .096 .096	.008 .012 .048 .095 .103 .096 .088 .083 .082 .080 .081 .075 .069 .094 .100 .101 .106 .109 .107 .122	.005 .006 .012 .077 .109 .102 .089 .085 .084 .082 .070 .080 .091 .097 .099 .101 .102 .109 .114	.010 .021 .093 .135 .128 .116 .104 .097 .008 .076 .079 .087 .098 .107 .111 .1107 .109 .106 .117	.123 .177 .167 .140 .119 .100 .098 .098 .102 .106 .115 .116 .111 .109 .109 .107	.068 .066 .066 .066 .063 .065 .065 .065 .065 .065 .065 .069 .075 .080 .075 .080 .075 .080 .078	2
-5.500 -6.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.750 -2.250 -1.750 -1.500 -3.750 -1.250	.011 .017 .046 .075 .081 .075 .071 .071 .071 .081 .069 .082 .079 .055 .068 .075 .082 .091 .093 .100 .104 .117	.003 .007 .045 .080 .083 .077 .087 .075 .077 .078 .080 .079 .080 .079 .080 .096 .096 .096 .096	.008 .012 .048 .095 .103 .096 .088 .083 .082 .080 .081 .075 .069 .100 .101 .106 .109 .107 .122 .131 .125 .131 .224 .131	.005 .006 .012 .077 .109 .102 .089 .085 .084 .082 .070 .080 .091 .097 .099 .101 .102 .109 .114 .126 .120 .136 .136	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076 .073 .087 .087 .098 .107 .111 .117 .109 .106 .117	.123 .177 .167 .140 .119 .100 .098 .098 .098 .102 .106 .115 .116 .111 .1109 .107 .116	.068 .066 .066 .066 .063 .065 .065 .065 .065 .065 .065 .069 .075 .080 .075 .080 .078 .071 .080 .078	2
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -375 -2.500 -375 -2.500 -375 -2.500 -375 -2.500 -375 -2.500 -375 -375 -375 -375 -375 -375 -375 -375	0011 0017 0046 0075 0081 0071 0071 0071 0081 0069 0082 0079 0055 0088 0075 0082 1000 104 117 -115 -1166 -1190 -1190 -1190 -1190 -1103 -103 -103 -103 -103 -103 -103 -1	.003 .007 .045 .080 .083 .077 .087 .077 .078 .080 .079 .080 .070 .080 .075 .096 .096 .096 .096 .096 .096 .096 .096	.008 .012 .048 .095 .103 .096 .088 .083 .082 .080 .081 .075 .069 .087 .094 .100 .106 .107 .122 -130 -125 -132 -211 -264 -220 -087 -071 -075	.005 .006 .012 .077 .109 .102 .085 .089 .082 .070 .080 .091 .097 .099 .101 .102 .109 .114 .126 .120 .134 .126 .129 .135 .136 .136 .137 .138 .138 .138 .138 .138 .138 .138 .138	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076 .079 .087 .087 .098 .107 .111 .107 .109 .109 .106 .117	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098 .098 .106 .115 .116 .111 .109 .107 .116	.068 .066 .066 .066 .063 .065 .065 .065 .065 .065 .065 .067 .075 .080 .078 .078 .078 .078 .078 .078 .078	2
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.5500	.011 .017 .046 .075 .081 .071 .071 .071 .081 .069 .082 .079 .055 .068 .075 .082 .091 .093 .110 .117 -1152 -146 -1190 -1147 -1152 -1466 -1190 -1191 .0103 -1193 .0103 -11	.003 .007 .045 .080 .083 .077 .075 .077 .078 .080 .079 .080 .079 .080 .075 .096 .096 .096 .096 .096 .096 .096 .096	.008 .012 .048 .095 .103 .096 .088 .083 .080 .081 .075 .069 .087 .094 .100 .101 .106 .109 .107 .122 -131 -125 -132 -131 -264 -220 -169 -087 -071 -045	.005 .006 .012 .077 .109 .102 .095 .089 .082 .070 .080 .091 .097 .101 .102 .109 .114 .126 .129 .134 .129 .134 .129 .139 .139 .139 .139 .139 .139 .139 .13	.010 .021 .099 .135 .128 .116 .104 .097 .089 .076 .073 .079 .087 .098 .107 .111 .107 .109 .109 .106 .117	.123 .177 .167 .140 .119 .100 .098 .098 .102 .106 .115 .116 .111 .110 .109 .107 .116	.068 .066 .066 .066 .063 .065 .064 .065 .065 .065 .069 .075 .060 .075 .080 .075 .080 .078 .080 .078 .080 .080 .080 .080	2
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.750 -2.500 -2.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.250 -1.000 -1.250 -1.000 -1.250 -1.000 -1.250 -1.000 -1.250 -1.000 -1.250 -1	0011 0017 0046 0075 0081 0075 0071 0071 0071 0081 0069 0082 0079 0055 0088 0075 0082 0093 1000 1104 1117 -1152 -1145 -1166 -1190 -1129 001 0043 0053 -1003 -	.003 .007 .045 .080 .083 .077 .087 .077 .078 .080 .079 .080 .070 .080 .096 .096 .096 .096 .096 .096 .096 .09	.008 .012 .048 .095 .103 .096 .088 .083 .082 .080 .081 .075 .069 .097 .100 .101 .106 .109 .107 .122 .131 .125 .132 .211 .264 .2200 .169 .100 .087 .071 .040 .071 .045 .045	.005 .006 .012 .077 .109 .102 .095 .089 .082 .070 .080 .091 .097 .099 .101 .102 .109 .114 .126 .120 .134 .126 .121 .135 .081 .082 .082 .095 .097 .099 .099 .099 .099 .099 .099 .099	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076 .079 .087 .098 .107 .111 .110 .109 .109 .106 .117	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098 .098 .102 .106 .115 .116 .111 .109 .107 .116 .111 .109 .107 .116 .111 .109 .107 .116 .111 .109 .107	.068 .066 .066 .066 .063 .065 .065 .065 .065 .065 .065 .067 .075 .080 .078 .078 .078 .078 .078 .078 .078	2
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500	.011 .017 .046 .075 .081 .071 .071 .071 .071 .081 .082 .079 .055 .068 .075 .082 .091 .093 .100 .104 .117 -1152 -1145 -1190 .011 .023 .033 .033 .033 .033 .033 .033 .033	.003 .007 .045 .080 .083 .077 .087 .075 .077 .078 .080 .079 .080 .070 .082 .075 .096 .096 .096 .096 .096 .096 .096 .096	.008 .012 .048 .095 .103 .096 .083 .082 .080 .081 .075 .049 .100 .101 .106 .109 .107 .122 -131 -125 -132 -131 -2264 -220 -169 -130 -087 -071 -045 -042 -032	.005 .006 .012 .077 .109 .102 .085 .089 .082 .070 .080 .091 .097 .099 .101 .102 .109 .114 126 .120 136 .179 231 .231 .231 .231 .231 .231 .231 .231	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076 .073 .079 .087 .0111 .107 .109 .109 .106 .117	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098 .102 .106 .115 .116 .111 .109 .107 .116 .116 .111 .109 .107 .116	.068 .066 .066 .066 .063 .065 .064 .065 .065 .065 .069 .075 .060 .075 .080 .075 .080 .078 .080 .078 .080 .080 .080 .080	2
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.250 -2.000 -1.750 -1.500 -1.750 -1.500 -1.250 -1.750 -1.500 -1.250 -1.750 -1.500 -1.250 -1	0011 0017 0046 0075 0081 0075 0071 0071 0071 0081 0082 0079 0082 0075 0082 0093 0100 1104 1117 -1152 -1145 -1166 -1190 -1129 0011 0043 0053 -100	.003 .007 .045 .080 .080 .083 .077 .075 .077 .078 .080 .079 .080 .079 .080 .070 .080 .096 .096 .096 .096 .096 .096 .096 .09	.008 .012 .048 .095 .103 .096 .088 .083 .082 .080 .081 .075 .069 .097 .100 .101 .106 .109 .107 .122 .121 .264 .220 .169 .189 .190 .101 .106 .107 .122 .111 .264 .220 .169 .107 .107 .107 .107 .107 .107 .107 .107	.005 .006 .012 .077 .109 .102 .095 .089 .082 .070 .080 .091 .097 .099 .101 .102 .109 .114 .126 .120 .134 .126 .134 .126 .135 .082 .082 .093 .094 .095 .097 .099 .099 .099 .099 .099 .099 .099	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076 .077 .089 .107 .111 .111 .107 .109 .106 .117 .111 .102 .091 .001 .001 .0028 .003 .001 .003 .001 .003 .001 .005 .040	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098 .102 .106 .115 .116 .111 .109 .107 .116 .111 .109 .107 .116 .111 .109 .107 .116 .111 .109 .107	.068 .066 .066 .066 .063 .065 .064 .065 .065 .065 .069 .075 .060 .075 .080 .075 .080 .078 .080 .080 .080 .080 .080 .080	2
-5.500 -4.500 -4.500 -4.500 -4.500 -2.500 -2.750 -2.500 -1.750 -1.500 -1.250 -1.000 -7.50 -1.250 -1.000 -7.50 -1.250 -1.000 -7.50 -1.25	.011 .017 .016 .0075 .081 .075 .071 .071 .071 .081 .082 .079 .055 .068 .075 .082 .091 .093 .100 .117 -1152 -1145 -1166 -1190 .001 .001 .001 .001 .001 .001 .001	.003 .007 .045 .080 .083 .077 .087 .075 .077 .078 .080 .079 .080 .070 .080 .096 .096 .096 .096 .096 .096 .096 .09	.008 .012 .048 .095 .103 .096 .088 .083 .080 .081 .075 .069 .087 .100 .101 .106 .109 .107 .122 -131 -125 -132 -211 -224 -220 -169 -189 -190 -101 -032 -045 -045 -040 -002 -007	.005 .006 .012 .077 .109 .102 .085 .089 .082 .070 .080 .091 .097 .099 .101 .102 .109 .114 .126 .120 .134 .127 .134 .128 .129 .134 .135 .139 .139 .139 .139 .139 .139 .139 .139	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076 .073 .079 .087 .098 .107 .111 .107 .109 .109 .106 .117	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098 .098 .102 .106 .115 .116 .111 .109 .107 .116 .116 .111 .109 .107 .116 .116 .111 .109 .107 .116 .116 .111 .111 .109 .107 .116 .116 .111 .111 .109 .107 .116 .116 .111 .111 .111 .109 .107 .116	.068 .066 .066 .066 .063 .065 .064 .065 .065 .065 .069 .075 .060 .075 .080 .075 .080 .078 .080 .080 .080 .080 .080 .080	2
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.750 -1.500 -1.250 -1.000 -1.250 -1.000 -1.250 -1.000 -1.250 -1.000 -1.250 -1.000 -1.250 -1.000 -1.250 -1.000 -1.250 -1.000 -1.250 -1.000 -1.250 -1.000 -1.250 -1.000 -1.250 -1.000 -1.250 -1.000 -1.250 -1.000 -1.250 -1.500	0011 0017 0046 0075 0081 0075 0071 0071 0071 0081 0082 0079 0082 0075 0082 0093 0100 1104 1117 -1152 -1145 -1166 -1190 -1129 0011 0043 0053 -100	.003 .007 .045 .080 .080 .083 .077 .075 .077 .078 .080 .079 .080 .079 .080 .070 .080 .096 .096 .096 .096 .096 .096 .096 .09	.008 .012 .048 .095 .103 .096 .088 .083 .082 .080 .081 .075 .069 .097 .100 .101 .106 .109 .107 .122 .121 .264 .220 .169 .189 .190 .101 .106 .107 .122 .111 .264 .220 .169 .107 .107 .107 .107 .107 .107 .107 .107	.005 .006 .012 .077 .109 .102 .095 .089 .082 .070 .080 .091 .097 .099 .101 .102 .109 .114 .126 .120 .134 .126 .134 .126 .135 .082 .082 .093 .094 .095 .097 .099 .099 .099 .099 .099 .099 .099	.010 .021 .093 .135 .128 .116 .104 .097 .089 .076 .077 .089 .107 .111 .111 .107 .109 .106 .117 .111 .102 .091 .001 .001 .0028 .003 .001 .003 .001 .003 .001 .005 .040	.123 .177 .167 .140 .119 .107 .101 .100 .098 .098 .102 .106 .115 .116 .111 .109 .107 .116 .111 .109 .107 .116 .111 .109 .107 .116 .111 .109 .107	.068 .066 .066 .066 .063 .065 .064 .065 .065 .065 .069 .075 .060 .075 .080 .075 .080 .078 .080 .080 .080 .080 .080 .080	2

Table ⁰⁴
Plate and Spoiler Pressure Coefficients Configuration 2 M= 1.61 R= 0.45 x 106

		Connig		141		1/- 0012			
	1 8-0	0- 1	D 7	Plate				Spoile	r
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	00 °				
-6.000 -5.500	•006	•004	•007	• 255	•394	•381		1 2	• 554
-5.000	•002	•007 •010	•011	• 356 • 390	•402	•376 •371		3	• 491
-4.500	•213	•277	• 366	.412	•422	•373		4	•505
-4.000	•358	•369	•397	•417	•431	•376	•342	5	•560
-3.500 -3.000	•397	•398 •414	•412	• 426 • 432	•431 •426	•379 •386	• 390 • 409	6 7	•657 •493
-2.750	• 415	•423	•425	.433	•421	•390	•413	8	354
-2.500	• 421	•425	• 427	.431	•414	•395	•419	9	355
-2.250	• 427	• 429	•429	• 427	• 406	.404	• 422	10	356
-2.000 -1.750	• 422	• 429	• 426	• 421	•401	•412	• 426	11	354
-1.500	• 421	• 427 • 421	•421	•414	•400 •401	•425	• 424 • 414	12	•581 •498
-1.250	•394	.407	• 396	.398	.407	.463	•398	14	.479
-1.000	•396	•397	•400	• 400	•419	•492	•380	15	.521
750 625	•394	•395 •400	•403 •413	•414 •426	• 445 • 467	•529 •551	•376 •385	16	•600 •725
500	•416	• 428	•432	.449	• 496	•573	• 402	18	• 786
375	• 446	.421	• 465	.486	•535	•599	• 439	19	350
250	•495	•500	•516	.542	•585	•610	•507	20	352
125	•586	•599	• 599	•599	•616	. 4.00	•620	21	355
•000	•597	.599	•602	• 599	•602	•600	•632	22	353
• 250	357	358	349	349			353		
• 375	-•360 -•362	360 360	-•354 -•356	352	346		356		
• 750	364	362	358	355 354	346 350	349	-•359 -•359		
1.000	360	348	357	358	351	350	353		
1.250	341	343	347	346	351	350	334		
1.500	312	321	331	338	352	353	307		
1.750	259 245	287 258	307 269	322 297	350	353 352	-•274 -•239		
2.250	212	227	244	275	334	353	209		
2.500	185	197	199	250	322	352	179		
2.750	161	176	176	224	306	350	154		
3.000	-•137 -•107	147 112	155 121	201 163	293 261	354 353	133	1	
4.000	083	086	097	133	239	346			
4.500	072	070	079	109	208	339			
5.000	065	094	065	087	177	331			
5.500	090 056	055 048	052 038	065	-•143 -•093	299 242			
	1	1	1020		.5°	*2.42			
	1								
-6.000 -5.500	001	•005	•007 •125	• 300 • 359	•385 •386	•326 •311		1 2	• 557 • 491
-5.000	•015	•076	•310	.379	•392	•307		3	.472
-4.500	•259	•300	• 357	•388	•392	•313		4	•504
-4.000	•349	• 354	•372	• 386	•387	• 324	• 359	5	• 566
-3.500 -3.000	•377 •392	• 372 • 385	• 382 • 385	•388 •390	•385 •385	•337 •355	• 385 • 392	6 7	•665 •488
-2.750	•395	• 395	•391	.393	•386	•362	•395	8	350
-2.500	•402	•399	•395	•392	•386	•364	• 400	9	350
-2.250	•407	•403	•398	• 394	•385	• 363	• 402	10	352
-2.000 -1.750	• 402	• 405 • 407	•403	• 396 • 398	•386 •380	•361 •370	• 404 • 398	11	348 .512
-1.500	•407	• 405	•395	.392	•373	•386	•391	13	. 453
-1.250	•378	•395	•380	• 379	•372	.414	•376	14	• 436
-1.000	•372	• 375	• 378	•371	•389	•456	• 365	15	• 457
750 625	*365 *377	• 364 • 377	•378 •392	• 387 • 409	•422 •451	•511	•360 •368	16	•512
	•396	•398	•416	.438	• 488	.572	•382	18	.686
- 4500		.415	• 455	.481	•531	•602	• 409	19	342
500 375	•433			•541	•589	.614	• 462	20	344
-•375 -•250	• 433 • 490	•497	•515	0241		*014			
375 250 125	•433 •490 •592	*497	•605		•617		•545	21	346
375 250 125 -000	*433 *490 *592 *598	•497 •598	•605 •604	•601		•601	• 549	22	344
375 250 125 . 000	. 433 . 490 . 592 . 598	•497 •598 ••349	•605 •604	•601 -•341	•617 •604		•549 -•342		
- · 375 - · 250 - · 125 · 000 · 250 · 375	• 433 • 490 • 592 • 598 • • 350 • • 354	•497 •598 -•349 -•356	•605 •604 -•344 -•347	•601 -•341 -•344	•617 •604		•549 -•342 -•344		
375 250 125 . 000 . 250 . 375 . 500	• 433 • 490 • 592 • 598 • - 350 • - 354 • - 359	•497 •598 -•349 -•356 -•355	•605 •604 -•344 -•347 -•347	•601 -•341 -•344 -•347	-617 -604	•601	•549 -•342 -•344 -•345		
- 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 000	• 433 • 490 • 592 • 598 • • 350 • • 354	•497 •598 -•349 -•356	•605 •604 -•344 -•347 -•347 -•349 -•350	-601 -341 -344 -347 -347 -349	•617 •604		•549 -•342 -•344 -•345 -•347 -•342		
- 375 - 250 - 125	• 433 • 490 • 592 • 598 • • 350 • • 354 • • 362 • • 366 • 341	•497 •598 -•349 -•356 -•355 -•361 -•347 -•341	-605 -604 -344 -347 -347 -349 -350 -345	-601 -341 -344 -347 -347 -349 -338	-0338 -0339 -0340 -0341 -0340	340 340 340	• 549 -• 342 -• 344 -• 345 -• 347 -• 342 -• 327		
- 375 - 250 - 125 - 000 250 - 375 - 500 - 750 1 000 1 250 1 500	• 433 • 490 • 592 • 598 • - 350 • - 354 • - 355 • - 362 • - 356 • - 341	• 497 • 598 - • 349 - • 355 - • 361 - • 347 - • 341 - • 323	.605 .604 344 347 347 349 350 345	•601341344347347349338334	-0338 -0339 -0340 -0341 -0341	-601 340 340 340 340	• 549 -• 342 -• 344 -• 345 -• 347 -• 342 -• 327 -• 299		
- 375 - 250 - 125 0000 250 375 500 750 1 0000 1 250 1 500 1 750	*433 *490 *592 *598 -350 -354 -359 -362 -356 -341 -262	• 497 • 598 - • 349 - • 356 - • 355 - • 361 - • 347 - • 341 - • 323 - • 297	•605 •604 344 347 349 350 345 329 308	.601 341 344 347 349 338 334	•617 •604 -•338 -•339 -•340 -•341 -•340 -•341	340 340 340 340 338	• 549 -• 342 -• 345 -• 347 -• 342 -• 327 -• 299 -• 269		
- 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 000 1 - 250 1 - 500	*433 *490 *592 *598 -*350 -*354 -*355 -*356 -*354 -*324 -*262 -*250 -*221	• 497 • 598 - 349 - 356 - 356 - 361 - 347 - 341 - 323 - 297 - 270 - 2241	.605 .604 344 347 347 349 350 345	•601341344347347349338334	•617 •604 338 339 340 341 341 338 334	340 340 340 3340 338 338	.549342344347347327299269237209		
- 375 - 250 - 125 - 000 - 375 - 500 - 750 1 000 1 250 1 550 2 000 2 250 2 250 2 500	*433 *490 *592 *598 -*350 -*354 -*359 -*362 -*356 -*314 -*262 -*250 -*221 -*193	.497 .598 -349 -356 -355 -361 -347 -341 -323 -297 -270 -241 -213	.605 .604 344 347 347 349 345 329 329 329 276 256	-601 -341 -344 -347 -347 -349 -338 -334 -324 -305 -284	•617 •604 338 339 340 341 341 338 334 328	-340 -340 -340 -340 -348 -348 -338 -337	.549342344345347327299269269209184		
- 375 - 250 - 125 - 000 250 - 375 - 500 - 750 1 0000 1 250 1 500 2 250 2 250 2 250 2 - 500 2 - 750	*433 *490 *592 *598 *350 *354 *359 *356 *334 *314 *262 *250 *2193 *314	.497 .598 349 356 355 361 347 323 297 241 213 189	*605 *604 -*344 -*347 -*347 -*349 -*350 -*349 -*329 -*329 -*276 -*256 -*226	*601341344347347347338334324305284263241	•617 •604 338 339 341 341 341 328 334 328 314	340 340 340 338 338 337 337	.549342345347347327299269237209184161		
- 375 - 250 - 125 - 000 - 125 - 000 - 375 - 500 - 750 1 - 500 1 - 750 2 - 000 2 - 250 2 - 500 2 - 500 3 - 750 3 - 000 3 -	*433 *490 *592 *598 -350 -354 -359 -362 -356 -314 -262 -250 -221 -193 -174 -153	.497 .598 349 356 355 361 347 341 323 297 270 213 189 166	*605 *604 -344 -347 -347 -349 -350 -345 -329 -308 -276 -226 -226 -221	.601341344347349338334324305263241221	-617 -604 -338 -339 -340 -341 -341 -341 -338 -334 -338 -314 -328 -314	-340 -340 -340 -340 -338 -338 -338 -337 -337 -340	.549342344345347327299269269209184		
375 250 125 000 250 375 500 1-000 1-500 1-750 2-000 2-250 2-500 2-750 3-500 3-500	*433 *490 *592 *598 -350 -354 -359 -356 -3314 -262 -250 -221 -1193 -174 -153 -124	.497 .598 349 356 355 361 347 323 297 241 213 189 166 130	*605 *604 -3344 -3347 -3347 -3349 -350 -3329 -3308 -276 -256 -226 -201 -137	.601341344347347349338334324305284221221182	- 617 - 604 - 338 - 339 - 340 - 341 - 341 - 341 - 338 - 338 - 3328 - 314 - 263	340 340 340 340 338 340 338 341 337 337 331	.549342345347347327299269237209184161		
- 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 - 250 1 - 250 2 - 250 2 - 250 2 - 250 2 - 250 3 - 300 3 - 300	*433 *490 *592 *598 -350 -354 -359 -362 -356 -314 -262 -250 -221 -193 -174 -153	.497 .598 349 355 355 361 347 323 297 270 241 213 189 130 130	*605 *604 -3347 -3347 -3349 -350 -329 -329 -329 -276 -226 -201 -1178 -137 -112 -094	.601341344347347349338334324305284263241211182149	- 617 - 604 - 338 - 339 - 340 - 341 - 341 - 338 - 338 - 338 - 328 - 314 - 229 - 2199	-340 -340 -340 -340 -338 -338 -338 -337 -337 -340	.549342345347347327299269237209184161		
375250125000	*433 *490 *592 *598 -350 -354 -355 -362 -356 -341 -262 -250 -221 -1193 -174 -153 -124 -093 -076	.497 .598 -349 -355 -361 -347 -341 -323 -297 -270 -213 -189 -166 -130 -084 -099	*605 *604 -3344 -3347 -3349 -3350 -3345 -3329 -276 -2266 -2261 -2178 -112 -094 -079	.601341344347347349338324305284263241221182149122101	•617 •604 -338 -339 -340 -341 -341 -341 -338 -334 -328 -314 -228 -314 -227 -2176	-*340 -*340 -*340 -*338 -*338 -*337 -*337 -*337 -*331 -*338 -*331 -*332 -*331 -*332 -*331	.549342345347347327299269237209184161		
375250125000125000250375500750 1.000 1.250 1.500 2.250 2.500 2.500 2.500 2.500 4.500	*433 *490 *592 *598 -350 -354 -359 -362 -356 -341 -314 -262 -250 -221 -1193 -174 -153 -124 -093 -076	.497 .598 349 355 355 361 347 323 297 270 241 213 189 130 130	*605 *604 -3347 -3347 -3349 -350 -329 -329 -329 -276 -226 -201 -1178 -137 -112 -094	.601341344347347349338334324305284263241211182149	- 617 - 604 - 338 - 339 - 340 - 341 - 341 - 338 - 338 - 338 - 328 - 314 - 229 - 2199		.549342345347347327299269237209184161		

Table 04 Continued
Plate and Spoiler Pressure Coefficients

Configuration 2 M= 1.61 R= 0.45 ×106

		Config	uration 2	M=	1.61	H= 0.45	X10°		
w 1-	Bow O Bow I D			Plate				Spoiler	
x,in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	30				
-6 • 000 -5 • 500	002	004	•002	•193 •337	•349 •363	•318 •265		1 2	• 370 • 311
-5.000	• 261	• 257	•315	.371	.368	•241		3	• 293
-4.500	•327	•328	• 353	4381	•349	•232		4	•307
-4.000	•333	•345	•359	•378	•311	.222	•312	5	.338
-3.500	•331	•341	•362	• 362	•271	.208	•316	6	.388
-3.000	•331	•341	•355	•327	•233	•201	•318	7	•190
-2.750	•333	•349	•350	•305	•220	•204	•318	8	335
-2.500	•331	•341	•334	• 283	•211	.208	•320	9	336
-2.250	•328	•330	•316	• 260	•200	•218	•321	10	337
-2.000	•314	•314	•294	• 241	•199	•233	•322	11	332
-1.750	•302	• 293	•269	•230	•199	• 253	•322	12	.407
-1.500	•280	• 269	• 242	•215	.206	•275	•322	13	.372
-1.250 -1.000	• 240	• 248	•227	•213	•217	•300	- 320	14	• 373
750	•238 •228	•230	•224	•218	•240	•334	•317	15	• 391
625	•234	•225	•230 •240	• 233	•272	•377	•313	16	• 419
500	•241	•242	•259	• 252 • 277	•298 •329	• 395	•313	17	• 449
375	•268	• 266	•290	•316	•374	•421	•319 •337	18	312
250	•318	•322	•341	•368	•418	•435	•373	20	311
125	•409		• 426	.,,,,	•433	• + > >	.437	21	310
•000	•412	•413	•417	.414	•415	•413	• 443	22	311
• 250	340	336	328	327			310		
*375	340	340	332	331	323		309		
•500	346	341	335	332	325		311		
• 750	349	346	339	333	325	324	310		
1.000	336	327	337	335	326	322	310	The same of the sa	
1.250	309	307	321	325	326	322	308	The second	
1.500	280	278	298	316	325	320	298		
1.750	229	246	270	304	323	319	282		
2.000	214	219	238	289	320	316	261		
2 • 250	191	189	222	272	313	313	239		
2.500	155 129	169	193	257	307	311	217	Talks	
3.000	110	152	177	240	300	310	195		
3.500	086	132 106	163 133	-•224 -•196	292	313	176		
4.000	066	~.078	113		274	306 303			
4.500	057	061	096	-•174 -•151	256 235	298			
5.000	053	080	082	133	216	292			
5.500	082	040	070	118	198	282			
6.000	040	029	062	106	182	271			
				Λ=	45°				
-6.000	•000	001	001	•005		•371		1 1	• 359
-5.500	•012	002	•001	•158	•279	•290		2	.341
-5.000	•207	•142	•204	•300	•349	.217		3	.307
-4.500	•277	•273	•297	•331	•338	•206		4	.299
-4.000	•295	•300	•318	• 335	•298	•212	• 273	5	.328
-3.500	•293	•303	•319	• 330	•247	•223	•271	6	• 392
-3.000	•292	•307	•290	• 297	•202	•256	.265	7	.174
-2.750	•294	•308	•309	• 267	•186	•283	• 266	8	329
-2.500	•287	•294	•289	•238	•181	•304	• 265	9	333
-2.250	•273	• 275	• 257	•208	•173	•329	• 260	10	337
-2.000 -1.750	• 245	• 245	•226	•184	•172	• 354	• 248	11	329
-1.500	•212	•207 •171	•190 •160	•168	•185	•377	•229	12	• 248
-1.250	133	•147	•145	•155 •168	·208	•394	• 205	13	• 201
-1.000	•138	.138	.161	•195	•283	•404	•177	14	•179 •188
750	•151	•163	•192	•244	•338	•423	•133	16	• 227
625	•177	•197	•226	•278	•359	•418	•130	17	.280
500	•211	•245	•269	•313	•377	•419	•140	18	.272
375	•281	•262	•316	• 353	•394	•412	.165	19	299
250	•335	• 338	• 361	•381	• 400	•397	•214	20	277
-•125	•380		•390		•388		•281	21	222
•000	•375	•375	•379	•377	•379	•376	• 265	22	224
• 250	326	323	316	316			287		
• 375	326	~.324	315	315	306		302	THE COLUMN	
•500	332	322	313	313	304		295	A COLUMN TO SHARE THE PARTY OF	
•750 1•000	376	~.318	293	-•302	295	293	281	A REAL PROPERTY.	
1.250	389 322	360	244	-•277 -•250	289	269	289		
1.500	321	342	205	250	295	232	297		
1.750	293	272	215	257	316 343	209	301	The state of the s	
2.000	312	~.263	208		350	197 184	291	THE RESERVE OF THE PARTY OF THE	
	317	240	208	-•269 -•272	305	166	267 242	The state of the s	
	287	210	196	266	250	175	223	The same of the same of	
2 • 250		~.216	210	251	223	224	203	The state of the s	
2 • 250	342			233	233	308	182	The state of the s	
2 • 250 2 • 500 2 • 750	-•342 -•330	~.178	219						
2 • 250 2 • 500 2 • 750 3 • 000	330	~•178 ~•164	219 200		-,269				
2 • 250 2 • 500 2 • 750 3 • 000 3 • 500	330 120	~.164	200	193	269	253			
2 • 250 2 • 500 2 • 750 3 • 000 3 • 500 4 • 000	330 120 .011	~•164 ~•119	200 175	-•193 -•163	269 266	253 260			
2 • 250 2 • 500 2 • 750 3 • 000 3 • 500	330 120	~.164	200	-•193 -•163 -•155	269 266 230	253 260 287			
2 • 250 2 • 500 2 • 750 3 • 000 3 • 500 4 • 000 4 • 500	330 120 .011 .041	-•164 -•119 •023	-•200 -•175 -•149	-•193 -•163	269 266	253 260			

Table 04 Concluded
Plate and Spoiler Pressure Coefficients
Configuration 2 M= 1.61 R= 0.45 x 10.6

		Config	guration 2	M= 1	•61	R= 0.45	X 10 e		
v in I Row O		Plate						Spoiler	
x,in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	60 °				
-6 • 000 -5 • 500	*002	•003	•004	•004	•010 •133	•283	Fed Later	1	.338
-5.000	•021	•003	•003	•040	.251	•271		2 3	.340
-4.500 -4.000	•128	•078	•101	.203	•268	•159		4	.347
-3.500	•194	•189 •224	•206 •236	• 244	•265 •230	•173 •223	•212	5	.338
-3.000	•228	• 233	.210	.245	.160	•319	•221	6 7	089
-2.750	• 225	• 236	• 241	•233	•138	•363	•217	8	305
-2.500 -2.250	•228	• 236 • 235	• 242	•208 •163	•145 •155	•388 •403	•218	9	310 314
-2.000	0213	.217	•198	•138	•190	•398	.207	11	338
-1 • 750 -1 • 500	•189	•181	•151	• 144	•244	•395	•192	12	• 240
-1.250	•138	•137 •142	•133 •156	•167 •231	•308 •350	•391 •383	•162 •131	13	• 240 • 247
-1.000	.168	•191	•229	• 305	• 364	•380	•131	15	.260
750 625	• 256	•271 •315	•311	• 347	•368	•372	•161	16	• 274
500	•322	•317	•346	• 354	•365	•364	• 182 • 204	17	• 280 • 175
375	•330	•320	•350	•354	•357	•356	.224	19	266
250 125	•341 •346	•341	•345	• 350	• 355	•352	•240	20	244
•000	•347	•350	•349	• 349	•350 •350	•348	• 251 • 247	21 22	219 224
• 250	294	289	286	287			- 242		
•375	301	294	286	284	279		262 268		
•500	300	290	286	282	275		258		
•750 1•000	-•314 -•376	277 287	274	275	273	274	261		
1.250	432	345	265 316	271 277	265 260	267 258	295 317		
1.500	405	416	343	333	256	246	280		
1.750	309	380	399	363	218	222	292		
2.000	227 107	317 236	388 365	318 313	217 288	195 170	342 330		
2.500	025	155	294	362	283	162	293	THE RESIDENCE	
2.750	*014	092	226	347	275	188	227		
3.000	*021 *002	050 017	155 039	316 230	-•277 -•293	259 239	136		
4.000	011	005	•016	154	311	315			
4.500	018	002	•033	052	314	309			
5.000	022	030	•039 •041	•031 •081	309	260 247			
6.000	004	•001	•036	.087	280	244			
				Λ= 7	5°			ALCOHOL: N	
-6.000 -5.500	002	•001	•004	•003	•007	•121		1	•098
-5.500 -5.000	•007	•001	•002	•002	•019	•179		2	•102
-4.500	•032	•005 •043	•005 •037	•005	•091 •136	•164		3 4	•102
-4.000	•077	•080	•087	•107	•131	•119	.064	5	.085
-3.500	•073	•082	•097	•106	•118	•109	•064	6	• 065
-3.000 -2.750	•065 •068	•079 •083	•089 •086	•097	•103 •095	•104	•064	7 8	187 162
-2.500	•070	•076	•085	•087	• 086	•102	.066	9	174
-2.250	•073	•076	•082	.087	•078	•101	•064	10	213
-2.000 -1.750	•068 •078	•078 •081	•084	•081 •079	•077 •082	•101	•065	11	268
-1.500	•079	•079	•076	.074	.091	•102 •106	•065 •064	12	•077
-1.250	•062	•079	•069	•084	•101	•114	•065	14	.079
-1.000 750	.068 .077	•071 •081	•086 •093	• 100	•107 •113	•114	•063	15 16	.082
625	•076	•091	•099	•103	•113	•112	•053 •058	17	•079
500	•084	•095	•102	•104	•111	•113	•062	18	.011
-•375 -•250	•088	•106	•103	•108	•110	•109	•069	19	232
125	•103	•095	•104 •108	•106	•110 •108	•106	•076 •082	20	169
•000	•102	•104	•108	•108	•109	•106	•077	22	077
• 250	161	150	132	130			226		
•375	-•160 -•173	144	133	129	113		218		
• 750	191	-•156 -•247	133 217	122 127	-•109 -•093	078	187		
	142	206	271	158	073	056	151		
1.000	002 .029	140	231	212	047	035	100		
1.000		063 011	184 136	242 193	026	012 .013	056 007		
1.000 1.250 1.500	•028		095	142	•020	•013	•034		
1.000	.028 110	•009				001	.063		
1.000 1.250 1.500 1.750 2.000 2.250	-028 -0110 -0102	•009 •012	076	100	•004				
1.000 1.250 1.500 1.750 2.000 2.250 2.500	-028 -0110 -0102 -081	•009 •012 •014	076 053	061	016	006	.074		
1.000 1.250 1.500 1.750 2.000 2.250	.028 110 102 081 057 035	•009 •012 •014 •019	076 053 048	061 035	016 009	006 044	•074 •058		
1.000 1.250 1.500 1.500 2.000 2.250 2.500 2.750 3.000	.028 110 102 081 057 035	.009 .012 .014 .019 .024 .005	076 053 048 039 029	061 035 004	016 009 .018 .011	-•006 -•044 -•149 -•076	.074		
1.000 1.250 1.500 1.750 2.000 2.250 2.500 2.750 3.000 3.500 4.000	.028 110 102 081 057 035 010	.009 .012 .014 .019 .024 .005	076 053 048 039 029 023	061 035 004 .041	016 009 .018 .011	-•006 -•044 -•149 -•076 -•097	•074 •058		
1.000 1.250 1.500 1.750 2.000 2.250 2.500 2.750 3.000	.028 110 102 081 057 035 010 .012	.009 .012 .014 .019 .024 .005 -016 -025	076 053 048 039 029 023 020	061 035 004 .041 .032	016 009 .018 .011 .034	-•006 -•044 -•149 -•076 -•097 -•206	•074 •058		
1.000 1.250 1.500 1.750 2.000 2.250 2.550 2.550 2.750 3.000 3.500 4.000 4.500	.028 110 102 081 057 035 010	.009 .012 .014 .019 .024 .005	076 053 048 039 029 023	061 035 004 .041	016 009 .018 .011	-•006 -•044 -•149 -•076 -•097	•074 •058		

Table 05
Plate and Spoiler Pressure Coefficients Configuration 2 M= 1.61 R= 0.56 x 10⁶

v in	I Row O	Row I	Row 3	Plate Row 4	Row 6	Row 7	Row 9	Spoiler Orifice No.
x, in.	1. 1.0%	11014	1104 3		0	1104	11011 3	Jimoc 110.
				Λ= 0	0			
-6.000	•003	•001	•003	•212	•395	•384		1 • 554 2 • 492
-5.500 -5.000	•005	•004	•007 •237	•346 •391	• 403 • 415	•374		3 • 476
-4.500	•180	• 250	•362	.414	•427	•377		4 .504
-4.000	•355	•368	•402	• 421	• 434	•382	•336	5 •563
-3.500	•398	•403	•419	•430	•436	•385	•390	6 . 662
-3.000	•414	•416	• 425	• 435	•430	•391	•410	7 •500
-2.750	•419	• 427	.430	• 437	• 425	•393	• 415	8 359
-2.500 -2.250	•425	•431 •432	• 435 • 435	• 436 • 430	•417 •408	• 407	• 420	9360
-2.000	• 425	• 434	•433	• 424	•402	•416	. 426	11358
-1.750	•432	•431	•429	•415	•399	•429	• 425	12 .578
-1.500	• 424	•424	• 415	• 404	•402	• 447	.416	13 • 495
-1.250	• 395	•413	•402	•398	•409	•471	•399	14 • 478
-1.000	•399	• 399	•400	• 402	•423	•500	•382	15 •521
750	•396	• 396	• 406	• 415	•449 •472	•536 •558	• 377 • 386	16 •601
625 500	•402	•403	• 415 • 435	• 432 • 454	•502	•582	• 403	17 •720 18 •777
375	• 446	•449	• 465	• 490	•540	•606	• 438	19 354
250	• 496	•500	•518	•543	•590	•616	•506	20 358
125	•587		•598		•621		•619	21359
•000	•602	•603	•602	•603	•605	•602	•630	22 356
• 250	359	360	352	350			355	The second second
•375	361	360	354	354	348		358	
•500	364	363	357	356	350		362	
• 750	-•365	366	358	357	353	354	360	
1.000	359	353	358 350	358 347	354 355	-•355 -•358	356 337	
1.500	340 312	319	332	341	354	357	309	
1.750	266	287	307	324	352	358	277	
2.000	246	254	273	300	346	357	243	
2.250	215	222	246	276	337	356	212	
2.500	191	188	226	252	325	355	183	
2.750	203	168	182	228	307 295	355 358	157 136	
3.500	-•141 -•110	147 114	161	205 165	266	357	136	
4.000	086	091	098	136	241	350		
4.500	076	074	081	111	209	343		
5.000	065	090	066	089	179	332		
5.500	070 059	059	055	067	146	304		
6.000		-•051	040	-•050	099	-•248		
				Λ= 1	5°			
-6.000	•004	•003	•005 •081	• 286	•385 •392	•333		1 •563 2 •498
-5.500 -5.000	•004	•004	•298	•355 •380	•397	•311		3 .479
-4.500	•236	• 285	•358	•389	.398	•317		4 •509
-4.000	•348	• 354	•376	.388	•394	•328	•357	5 • 569
-3.500	•376	•378	•388	• 391	•392	•342	•383	6 •671
-3.000	•395	•392	•392	• 393	•390	.360	• 393	7 .502
-2.750	•401	• 399	•397	• 395	•390	• 366	• 396	8351
-2.500 -2.250	• 405 • 411	•402	• 401 • 407	• 395 • 397	•389	•369 •366	• 404	10 269
-2.000	•410	•411	•408	•398	•388	•366	.406	11348
-1.750	•416	•413	•410	•399	•382	•374	• 402	12 •514
-1.500	•412	•410	• 405	•392	•375	•392	•391	13 • 455
-1.250	•381	• 398	•389	• 376	•376	•421	•378	14 .437
-1.000	•374	• 378	• 374	• 372	•393	•464 •518	• 366	15 •460 16 •515
750 625	•368 •380	•369 •381	•380	• 389 • 411	•429 •457	•518	•371	17 .594
	•401	• 405	•421	• 441	•494	•579	•384	18 .619
		• 442	• 459	• 485	•538	•609	.411	19 ~.345
500 375	• 438		•519	•546	•596	•619	.465	20346
-•375 -•250	•438	•503					.547	21 ~.346
375 250 125	• 498 • 596		•608		•624			
-•375 -•250	• 498	•503		•603	•624 •607	•603	•549	22 ~.346
375 250 125	• 498 • 596		•608			•603	•549 -•344	22 ~.346
375 250 125 .000	• 498 • 596 • 602 • • 351 • • 352	•604 -•352 -•354	•608 •604 -•345 -•348	•603 -•343 -•347	•607 -•340	•603	•549 -•344 -•346	22346
375 250 125 .000 .250 .375	• 498 • 596 • 602 • 351 • 352 • 356	-604 352 354 359	•608 •604 -•345 -•348 -•350	-603 343 347 349	-•340 -•341		•549 -•344 -•346 -•346	22 ~.346
375 250 125 .000 .250 .375 .500	- 351 - 352 - 360	-604 352 354 359 360	•608 •604 -•345 -•348 -•350 -•352	-603 -343 -347 -349 -349	-•340 -•341 -•342	344	- 344 - 346 - 346 - 347	22 ~.346
375 250 125 .000 .250 .375 .500 .750	- 498 - 596 - 602 - 351 - 352 - 356 - 360 - 355	•604 -•352 -•354 -•359 -•360 -•351	•608 •604 -•345 -•348 -•350 -•352 -•350	•603 -•343 -•347 -•349 -•349	340 341 342 342	344 344	•549 -•344 -•346 -•347 -•343	22346
375 250 125 .000 .375 .500 .750 1.000 1.250	- 498 - 596 - 602 - 351 - 352 - 356 - 360 - 355 - 334	•604 -•352 -•354 -•359 -•360 -•351 -•341	-608 -604 345 348 350 352 350 345	•603 -•343 -•347 -•349 -•349 -•349 -•339	-•340 -•341 -•342	344	- 344 - 346 - 346 - 347	22 ~.346
375 250 125 .000 .375 .500 .750 1.000 1.250 1.500	- 498 - 596 - 602 - 351 - 352 - 356 - 360 - 355 - 334 - 311	•604 -•352 -•354 -•359 -•360 -•351	•608 •604 -•345 -•348 -•350 -•352 -•350	•603 -•343 -•347 -•349 -•349	- 340 - 341 - 342 - 342 - 342	344 344 343	•549 -•344 -•346 -•346 -•347 -•343 -•327	22 346
375 250 125 .000 .375 .500 .750 1.000 1.250	- 498 - 596 - 602 - 351 - 352 - 356 - 360 - 355 - 334	•604 - 352 - 354 - 359 - 360 - 351 - 341 - 323	•608 •604 ••345 ••348 ••350 ••352 ••350 ••345 ••332	•603 -343 -347 -349 -349 -349 -339 -336 -326	- 607 - 340 - 341 - 342 - 342 - 342 - 342 - 343 - 343	344 344 343 342 342	•549 -•344 -•346 -•346 -•343 -•327 -•300 -•268 -•237	22 ~.346
375 250 125 .000 .375 .500 .750 1.000 1.5500 1.750 2.000 2.250	-498 -596 -602 -351 -352 -356 -356 -355 -334 -311 -264 -244	• 604 - • 352 - • 354 - • 359 - • 360 - • 351 - • 341 - 323 - 295 - 268 - 238	•608 •604 -•345 -•348 -•350 -•352 -•352 -•345 -•332 -•311 -•282 -•260	•603 -343 -347 -349 -349 -349 -336 -326 -308 -286	- 340 - 341 - 342 - 342 - 342 - 342 - 343 - 340 - 334	344 344 343 343 341 341	.549344346346347343327300268237209	22 ~.346
- 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 - 500 1 - 250 1 - 500 2 - 500 2 - 500 2 - 500 2 - 500	*498 *596 *602 -351 -352 -356 -360 -355 -334 -211 -264 -224 -215 -193	• 604 - 352 - 354 - 359 - 360 - 351 - 341 - 323 - 295 - 268 - 238 - 210	•608 •604 345 348 350 350 345 335 311 282 260 230	• 603 - 343 - 347 - 349 - 349 - 349 - 339 - 336 - 326 - 308 - 286 - 264	- 607 - 340 - 341 - 342 - 342 - 342 - 342 - 343 - 340 - 334 - 328	344 344 343 343 342 341 341	.549344346347347327300268237209184	22 346
- 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 - 000 1 - 250 1 - 750 2 - 250 2 - 250 2 - 750	**498 *596 *602 351 352 356 360 **355 234 211 264 245 193 176	- 604 - 352 - 354 - 359 - 360 - 351 - 341 - 323 - 295 - 268 - 238 - 210 - 193	.608 .604 -345 -348 -350 -352 -355 -345 -332 -311 -282 -260 -230 -202	.603343347349349349339336326308264264	- 340 - 341 - 342 - 342 - 342 - 342 - 343 - 340 - 334 - 328 - 318	344 344 343 343 342 341 341	.549344346347343327300268237209184161	22 ~.346
- 375 - 250 - 125 - 000 - 375 - 500 - 750 1 000 1 250 1 500 2 250 2 250 2 750 3 000	*498 *596 *602 -351 -352 -356 -360 -355 -334 -311 -264 -244 -215 -193 -176 -155	-604 -352 -354 -359 -360 -351 -341 -323 -295 -268 -238 -210 -193 -164	.608 .604 -345 -348 -350 -352 -350 -345 -331 -282 -311 -282 -200 -200 -178	.6033433473493493393363263282286222	- 607 - 340 - 341 - 342 - 342 - 342 - 343 - 343 - 340 - 334 - 328 - 318	- 344 - 344 - 343 - 343 - 342 - 341 - 341 - 345	.549344346347347327300268237209184	22 ~.346
- 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 - 000 1 - 250 1 - 750 2 - 250 2 - 250 2 - 250 3 - 300 3 - 350 3 - 300 3 - 500 3	**498 *596 *602 351 356 360 3355 334 211 264 215 176 155 125	- 604 - 352 - 354 - 359 - 360 - 351 - 341 - 323 - 295 - 268 - 238 - 210 - 193 - 164 - 129	.608 .604 -348 -348 -350 -352 -350 -332 -311 -282 -260 -220 -178 -138	.603343347349349349336326326286264242222182	- 340 - 341 - 342 - 342 - 342 - 342 - 343 - 340 - 334 - 328 - 318	344 344 343 343 342 341 341	.549344346347343327300268237209184161	22 ~.346
375250125000	*498 *596 *602 -351 -352 -356 -360 -355 -331 -264 -244 -2215 -1193 -176 -155 -125 -093	.604352354359360351341323295268238210193164129	.608 .604 -345 -348 -350 -352 -350 -345 -331 -282 -311 -282 -200 -200 -178	.6033433473493493393363263282286222	- 340 - 341 - 342 - 342 - 342 - 342 - 342 - 343 - 328 - 318 - 301 - 225	344 344 343 343 341 341 341 345 345	.549344346347343327300268237209184161	22 -,346
- 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 - 000 1 - 250 1 - 750 2 - 250 2 - 250 2 - 750 3 - 000 3 - 500 3 - 750 3 - 500 3 - 750 3 - 500 3 - 750 3	**498 *596 *602 351 356 360 3355 334 211 264 215 176 155 125	- 604 - 352 - 354 - 359 - 360 - 351 - 341 - 323 - 295 - 268 - 238 - 210 - 193 - 164 - 129	.608 .604 -345 -348 -350 -352 -350 -345 -332 -311 -282 -220 -220 -220 -178 -114 -096	.603343347349349339336326308286264222182182101	- 340 - 341 - 342 - 342 - 342 - 342 - 343 - 343 - 328 - 318 - 301 - 220 - 220 - 176	344 344 343 342 341 341 341 345 345 336 336 339	.549344346347343327300268237209184161	22 346
375250125000125000375500750 1.000 1.250 1.500 2.250 2.450 2.450 3.500 4.500 4.500	**498 *596 *602 -351 -352 -356 -356 -336 -331 -264 -2215 -193 -176 -155 -093 -077	- 604 - 352 - 354 - 359 - 360 - 351 - 341 - 323 - 295 - 268 - 238 - 210 - 193 - 164 - 129 - 100 - 108	.608 .604 -348 -348 -350 -350 -332 -331 -282 -220 -220 -178 -138 -114 -096	.603343347349349349336326338264242222162189120	- 340 - 341 - 342 - 342 - 342 - 342 - 342 - 343 - 334 - 328 - 318 - 301 - 285 - 230 - 220	344 344 343 342 341 341 341 341 342 334 342 336	.549344346347343327300268237209184161	22 ~,346

Table os Continued

Plate and Spoiler Pressure Coefficients

M= 1.61

R= 0.50

		Config	guration 2	M= 1	•61	R= 0.56	X 10 6		
				Plate				Spo	iler
x, in.	Row O	Row 1	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	30				
-6.000	•005	•001	•006	•130	•351	•337		1	•382
-5.500 -5.000	•021	•010 •242	•094	•329 •371	•374 •381	•281 •253		2 3	• 320
-4.500	•321	•330	• 358	•385	•366	•241		4	• 298 • 314
-4.000	•339	•354	• 365	•382	•330	•233	•318	5	• 345
-3.500	•341	• 353	•369	.368	•286	•219	•321	6	• 397
-3.000 -2.750	• 339 • 340	• 352 • 353	• 363 • 355	•337 •314	•248 •231	•213	• 325	7	• 214
-2.500	•339	• 346	.342	• 292	•222	•214 •218	• 325 • 327	8 9	329 327
-2.250	•335	• 335	•320	• 269	.209	•227	•329	10	270
-2.000	•320	•317	•299	•249	•203	• 240	•330	11	326
-1.750 -1.500	• 308 • 285	• 295 • 271	• 272	•232	•203 •210	•261 •282	•330	12	• 414
-1.250	.244	• 250	•232	•215	•221	•311	•328	13	• 379
-1.000	•238	•232	•227	•219	.241	•346	•322	15	• 396
750	•230	• 225	• 228	• 236	•279	•386	•317	16	• 421
625	• 233	• 231 • 252	•237	• 253	• 305	•406	•318	17	• 452
375	• 269	• 273	•291	• 282 • 322	•337 •384	•430	•325	18	• 386 -• 305
250	•323	•327	•347	•374	•427	•442	•378	20	304
125	•416		•432		• 440		• 440	21	300
•000	•413	• 415	• 415	• 415	•419	•417	• 446	22	301
•250	332	330	324	319			303		
• 375 • 500	334	335	327	323	315		305		
• 750	-•337 -•345	338 344	329 334	326 330	319	215	306		
1.000	333	326	332	332	319 319	315 313	303		
1.250	307	305	316	321	320	314	300		
1.500	277	275	290	311	321	314	290		
1.750	231 210	243 215	264 234	298	319	312	275		
2.250	182	195	216	-•283 -•265	314 308	-•309 -•307	-•254 -•230		
2.500	151	165	187	250	301	305	208		
2.750	127	146	172	233	293	304	186		
3.000	110	128	153	216	285	307	166		
3.500	082	-•102 -•075	-•124 -•107	-•188 -•163	267	299			
4.500	054	054	090	142	231	289			
5.000	048	063	077	125	212	282			
5.500	067	030	062	111	195	275			
6.000	025	027	050	099	-•177	-•262			
				Λ= 4	5				
-6.000 -5.500	•003	•003	•004	•008 •156	•287 •355	•398		1 2	• 360
-5.000	•210	•142	•204	•309	•364	•320		3	• 342
-4.500	•283	• 281	•306	•341	•354	•218		4	• 296
-4.000	• 305	•309	•328	• 345	•316	•219	• 285	5	• 326
-3.500	• 300 • 302	•311	•330	• 339	•260	•227	• 282	6	• 390
-3.000 -2.750	302	•314 •316	•325 •317	• 304 • 276	•214 •197	•256 •282	• 279 • 278	7 8	• 200 -• 320
-2.500	• 295	•302	298	• 246	191	•304	• 277	9	325
-2.250	•278	•280	• 266	•215	•178	•328	•269	10	272
-2.000	•249	• 251	•233	•188	•175	•353	• 256	11	324
-1.750 -1.500	•219 •186	•216 •179	•197 •166	•171 •160	•186 •208	•376	• 240 • 216	12	• 257 • 211
-1.250	•137	•155	•155	•167	•238	•407	• 186	13	• 188
-1.000	•141	•144	•162	•192	•281	•420	•160	15	•199
750	•153	•165	•189	• 242	•338	•432	•142	16	• 238
-•625 -•500	•179 •215	•196 •235	•222	•275 •315	•361 •384	• 427	•142	17	• 292
375	•278	• 289	•316	•354	• 405	•429	•150 •174	18	• 280 -• 290
250	•337	• 344	• 361	• 385	•412	• 404	.223	20	266
125	•386		• 394		•394		• 292	21	225
•000	•366	•371	•371	•371	•376	•373	• 275	22	227
• 250	318	315	306	307	207		281		
• 375 • 500	-•316 -•319	314 311	-•306 -•304	304	297		294		
• 750	355	296	282	302 292	293 285	284	-•292 -•273		
1.000	388	326	231	276	280	262	277		
1.250	331	317	182	262	291	229	291		
1.500	321	268	195	267	319	209	292	The Sand of the last	
1.750	288 292	-• 254 -• 245	208 204	280 285	340 320	194 173	-•282 -•261		
	307	229	206	280	259	167	238		
2.250		205	260	267	225	191	219		
2 • 250	288		212	248	229	237	196		
2 • 250 2 • 500 2 • 750	302	156							
2 • 250 2 • 500 2 • 750 3 • 000	302	186	212	221		294	176		
2.250 2.500 2.750	302 322 152	-•186 -•126	212 190	221 173	272	294 239	-•176		
2 • 250 2 • 500 2 • 750 3 • 000 3 • 500 4 • 000	302 322 152 003 035	186 126 109 .010	212	221		294	-•176		
2.250 2.500 2.750 3.000 3.500 4.000	302 322 152 .003	186 126 109	212 190 161	221 173 157	272 250	294 239 258	176		

Table 05 Concluded
Plate and Spoiler Pressure Coefficients

Configuration 2 M= 1.61 R= 0.56 x 10⁶

				Plate				Spoi	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	60°				
-6.000	•006	•003	•003	•007	•014	+282		1	• 327
-5.500		•003	•004	•006	•103	•282 •271		1 2	• 331
-5.000	•014	•002	•000	•025	•244	.210		3	.333
-4.500 -4.000	•115 •189	•056 •176	•074	• 188	•267	•164	200	4	• 336
-3.500	•213	•215	•230	• 235 • 244	•266	•177	• 209	5	• 327
-3.000	•221	•227	•233	.245	•170	.319	• 216 • 220	6 7	110
-2.750	•226	•233	•236	.232	145	•358	•217	8	295
-2.500	•228	•230	•235	.211	•150	•383	•218	9	301
-2.250	•230	•233	•223	.170	•158	.394	.217	10	278
-2.000	•212	•216	•194	•142	•191	•388	•209	11	331
-1.750	• 190	•184	•149	•145	•246	•386	•197	12	.241
-1.500 -1.250	•143	•138	•134	•167	•309	•381	•170	13	• 241
-1.000	•117	•140 •187	•158 •225	• 228	•345	•374	•140	14	• 248
7.750	•253	• 265	4308	• 302 • 341	•358 •362	•372 •361	•135 •165	15	• 260
625	•290	•305	•326	•345	•357	•355	•188	16	• 271 • 275
500	•314	•323	•336	•343	•350	•351	• 208	18	.161
375	•321	•336	•338	•341	•349	•346	•227	19	264
250	•328	•327	•334	• 337	•345	.342	• 241	20	244
125	•332		·337		•339		• 250	21	221
•000	• 325	•326	•326	• 328	•332	•328	• 246	22	226
• 250	283	282	274	276			250		
•375	290	286	276	275	268		259		
•500	293	288	278	273	266		255		
•750	303	282	267	269	262	263	252		
1.000	360	-,290	267	-,261	256	256	293		
1.250	437	363	319	275	249	247	311		
1.500	391	412	349	335	249	237	267		
1.750	292	364	424	351	219	221	277		
2.000	194 083	296	384	311	227	198	362		
2.500	012	213 134	346	332 377	-•291 -•281	173	337		
2.750	•014	079	195	344	269	165 188	283 196		
3.000	•006	042	119	304	269	251	095	Total Maria	
3.500	002	015	016	204	293	243			
4.000	016	002	•025	110	337	324			
4.500	023	•000	•039	017	324	313			
5.000	020	018	•040	•047	314	257			
5.500	034	•002	•040	•082	284	244			
6.000	002	•004	•039	•082	249	239	30 100		
				Λ= 7	5°				
			The state of the s	Λ-	,				
-6.000	•007	•005	•008	•012	•015	•126		1	•105
-6.000 -5.500	•015	•004	•007	•012 •011	•015	•187		2	.109
-6.000 -5.500 -5.000	•015 •039	•004	•007	•012 •011 •012	•015 •024 •097	•187 •172		2 3	•109 •110
-6.000 -5.500 -5.000 -4.500	•015 •039 •075	•004 •010 •044	•007 •008 •039	•012 •011 •012 •074	•015 •024 •097 •144	•187 •172 •141		2 3 4	•109 •110 •104
-6.000 -5.500 -5.000 -4.500 -4.000	•015 •039 •075 •083	.004 .010 .044 .087	•007 •008 •039 •092	.012 .011 .012 .074	•015 •024 •097 •144 •140	•187 •172 •141 •128	•071	2 3 4 5	.109 .110 .104 .090
-6.000 -5.500 -5.000 -4.500 -4.500 -3.500	*015 *039 *075 *083 *081	.004 .010 .044 .087	•007 •008 •039 •092 •104	.012 .011 .012 .074 .116	•015 •024 •097 •144 •140	•187 •172 •141 •128 •120	•072	2 3 4 5 6	.109 .110 .104 .090
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.000	•015 •039 •075 •083 •081 •078	.004 .010 .044 .087 .091	.007 .008 .039 .092 .104	•012 •011 •012 •074 •116 •115	•015 •024 •097 •144 •140 •126 •110	*187 *172 *141 *128 *120 *115	•072 •073	2 3 4 5 6 7	.109 .110 .104 .090 .073
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500	*015 *039 *075 *083 *081	.004 .010 .044 .087	•007 •008 •039 •092 •104	•012 •011 •012 •074 •116 •115 •105	0015 0024 0097 0144 0140 0126 0110	•187 •172 •141 •128 •120 •115 •113	•072 •073 •074	2 3 4 5 6 7 8	.109 .110 .104 .090 .073 179 158
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500	*015 *039 *075 *083 *081 *078 *076 *078	.004 .010 .044 .087 .091 .086 .089	.007 .008 .039 .092 .104 .097 .094	•012 •011 •012 •074 •116 •115 •105 •101 •097	*015 *024 *097 *144 *140 *126 *110 *101 *094 *086	•187 •172 •141 •128 •120 •115 •113 •111	•072 •073 •074 •074 •073	2 3 4 5 6 7	.109 .110 .104 .090 .073
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250	*015 *039 *075 *083 *081 *078 *076 *078 *077	.004 .010 .044 .087 .091 .086 .089 .084 .083	.007 .008 .039 .092 .104 .097 .094 .091	.012 .011 .012 .074 .116 .115 .105 .101 .097	*015 *024 *097 *144 *140 *126 *110 *101 *094 *086	•187 •172 •141 •128 •120 •115 •113 •111 •110 •108	• 072 • 073 • 074 • 074 • 073	2 3 4 5 6 7 8 9 10	.109 .110 .104 .090 .073 179 158 166 209
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -2.750 -2.500 -2.250 -2.250 -2.750	*015 *039 *075 *083 *081 *078 *076 *078 *081 *077 *086	.004 .010 .044 .087 .091 .086 .089 .084 .083	.007 .008 .039 .092 .104 .097 .094 .091 .088 .089	.012 .011 .012 .074 .116 .115 .105 .101 .097 .093 .091	*015 *024 *097 *144 *140 *126 *110 *101 *094 *086 *086	•187 •172 •141 •128 •120 •115 •113 •111 •108 •111	• 072 • 073 • 074 • 074 • 073 • 074	2 3 4 5 6 7 8 9 10 11	.109 .110 .104 .090 .073 179 158 166 209 262
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.5500	**************************************	.004 .010 .044 .087 .091 .086 .089 .084 .083 .083	.007 .008 .039 .092 .104 .097 .094 .091 .088 .089	*012 *011 *012 *074 *116 *115 *105 *101 *097 *093 *091 *087	*015 *024 *097 *1144 *140 *126 *110 *101 *094 *086 *096 *091	•187 •172 •141 •128 •120 •115 •113 •111 •110 •108 •111	.072 .073 .074 .074 .073 .074 .073	2 3 4 5 6 7 8 9 10 11 12	.109 .110 .104 .090 .073 179 158 166 209 262 .083
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.5500 -2.2500 -1.750 -1.500 -1.250	**************************************	.004 .010 .044 .087 .091 .086 .089 .084 .083 .083 .086	.007 .008 .039 .092 .104 .097 .094 .091 .088 .089 .087	.012 .011 .012 .074 .116 .115 .105 .101 .097 .093 .091 .085	.015 .024 .097 .1144 .1140 .126 .110 .101 .094 .086 .086	•187 •172 •141 •128 •120 •115 •113 •111 •108 •111 •115 •122	• 072 • 073 • 074 • 074 • 073 • 074 • 073 • 075 • 075	2 3 4 5 6 7 8 9 10 11 12 13	.109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .083
-6.000 -5.500 -5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.250 -1.250	.015 .039 .075 .083 .081 .076 .076 .078 .081 .077 .086 .087	.004 .010 .044 .087 .091 .086 .089 .084 .083 .083 .086 .088	.007 .008 .039 .039 .092 .104 .097 .091 .088 .089 .087 .082	.012 .011 .012 .074 .116 .115 .105 .101 .097 .093 .091 .085	*015 *024 *097 *144 *140 *126 *110 *101 *086 *086 *091 *110 *110	.187 .172 .141 .128 .120 .115 .113 .111 .110 .108 .111 .115 .122	*072 *073 *074 *074 *073 *074 *073 *075 *075	2 3 4 5 6 7 8 9 10 11 12 13 14	.109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .083
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.5500 -2.2500 -1.750 -1.500 -1.250	**************************************	.004 .010 .044 .087 .091 .086 .089 .084 .083 .083 .086	.007 .008 .039 .092 .104 .097 .094 .091 .088 .089 .087	.012 .011 .012 .074 .116 .105 .101 .097 .093 .091 .085 .093 .103	0015 0024 0097 1144 1140 1126 1110 1001 0094 0086 0091 1100 1110 1116	.187 .172 .141 .128 .120 .115 .113 .111 .110 .108 .111 .115 .122 .124	.072 .073 .074 .074 .073 .074 .073 .075 .075	2 3 4 5 6 7 8 9 10 11 12 13 14 15	.109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.5500 -1.5500 -1.2500 -1.2500 -1.2500 -1.2500 -1.2500 -1.2500 -1.2500 -1.2500 -1.2500 -1.2500 -1.2500 -1.2500	.015 .039 .075 .083 .081 .078 .076 .078 .081 .077 .086 .087 .072 .076	.004 .010 .044 .087 .091 .086 .089 .084 .083 .086 .088 .086	.007 .008 .039 .092 .104 .097 .094 .091 .088 .089 .087 .082	.012 .011 .012 .074 .116 .115 .105 .101 .097 .093 .091 .085	*015 *024 *097 *144 *140 *126 *110 *101 *086 *086 *091 *110 *110	187 172 141 128 120 115 113 111 100 108 1115 122 124 126	.072 .073 .074 .074 .074 .073 .075 .075 .075 .075	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	.109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087
-6.000 -5.500 -5.500 -4.500 -4.000 -3.500 -3.500 -2.750 -2.250 -2.250 -2.250 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -3.750 -3	.015 .039 .075 .083 .081 .078 .076 .078 .081 .077 .086 .087 .072 .076 .086 .086	.004 .010 .044 .087 .091 .086 .089 .084 .083 .086 .088 .086	.007 .008 .039 .092 .104 .097 .094 .099 .088 .089 .087 .082 .077 .095	.012 .011 .012 .074 .116 .105 .105 .101 .097 .093 .091 .085 .093 .103	015 024 097 1144 1126 1101 094 086 086 091 1101 1110 1116 1123	.187 .172 .141 .128 .120 .115 .111 .110 .108 .111 .115 .122 .124 .126	.072 .073 .074 .074 .073 .074 .073 .075 .075	2 3 4 5 6 7 8 9 10 11 12 13 14 15	.109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.500 -1	.015 .039 .075 .083 .081 .078 .076 .078 .081 .077 .086 .087 .072 .076 .086 .087	.004 .010 .044 .087 .086 .089 .084 .083 .083 .086 .088 .086 .089	.007 .008 .039 .092 .104 .097 .094 .089 .089 .087 .082 .077 .095 .101 .106	.012 .011 .012 .074 .116 .105 .101 .097 .093 .091 .085 .093 .103	.015 .024 .097 .144 .140 .126 .110 .094 .086 .091 .101 .116 .123 .112 .112 .119	187 172 141 128 120 115 113 111 100 108 1115 122 124 126	*072 *073 *074 *074 *073 *074 *073 *075 *075 *075 *072 *063 *067 *071 *079 *086	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .076
-6.000 -5.500 -5.500 -4.500 -4.500 -4.000 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.750 -1.250 -1.375 -375 -375 -375 -125	.015 .039 .075 .083 .081 .076 .078 .076 .081 .077 .086 .087 .072 .076 .086 .089 .097 .096 .089 .093	.004 .010 .044 .087 .091 .086 .089 .088 .088 .086 .088 .086 .089 .099 .096	.007 .008 .039 .092 .104 .097 .094 .091 .088 .087 .087 .095 .101 .106 .109 .110	.012 .011 .012 .074 .116 .105 .101 .097 .093 .091 .085 .093 .103 .108 .111	.015 .024 .097 .144 .140 .126 .110 .094 .086 .091 .101 .116 .123 .122 .119 .121 .119	.187 .172 .141 .128 .120 .115 .113 .111 .110 .108 .111 .122 .124 .122 .124 .122 .119 .116	**O72** 073** 074** 074** 073** 075** 075** 075** 072** 063** 067** 071** 079** 086** 091	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -266 .018 .087
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.250 -1	.015 .039 .075 .083 .081 .078 .076 .078 .081 .077 .086 .087 .072 .076 .086 .087	.004 .010 .044 .087 .091 .086 .089 .088 .088 .086 .088 .086 .089	.007 .008 .039 .092 .104 .097 .094 .089 .089 .087 .082 .077 .095 .101 .106	.012 .011 .012 .074 .116 .105 .105 .101 .097 .093 .098 .085 .093 .108	.015 .024 .097 .144 .140 .126 .110 .094 .086 .091 .101 .116 .123 .112 .112 .119	.187 .172 .141 .128 .120 .115 .111 .110 .108 .111 .115 .122 .124 .122 .124 .122 .122 .119	*072 *073 *074 *074 *073 *074 *073 *075 *075 *075 *072 *063 *067 *071 *079 *086	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .076
-6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -2.250 -1.500	.015 .039 .075 .083 .081 .076 .076 .077 .081 .077 .086 .087 .072 .076 .086 .085 .093 .096 .108	.004 .010 .044 .087 .091 .086 .089 .083 .083 .086 .088 .086 .081 .089 .112 .102	.007 .008 .039 .092 .104 .097 .094 .091 .088 .087 .087 .095 .101 .106 .109 .110	.012 .011 .012 .074 .116 .105 .101 .097 .093 .091 .085 .093 .103 .108 .111	.015 .024 .097 .144 .140 .126 .110 .094 .086 .091 .101 .116 .123 .122 .119 .121 .119	.187 .172 .141 .128 .120 .115 .113 .111 .110 .108 .111 .122 .124 .122 .124 .122 .119 .116	**O72** 073** 074** 074** 073** 075** 075** 075** 072** 063** 067** 071** 079** 086** 091	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -266 .018 .087
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.250	.015 .039 .075 .083 .081 .078 .078 .078 .087 .087 .072 .076 .086 .087 .072 .076 .086 .085 .093 .096 .108 .110	.004 .010 .044 .087 .091 .086 .089 .083 .086 .088 .086 .089 .096 .099 .096 .112 .102	.007 .008 .039 .092 .104 .097 .094 .089 .087 .089 .087 .0101 .106 .109 .110 .112 .114	.012 .011 .012 .074 .116 .115 .105 .101 .097 .093 .091 .085 .093 .108 .111 .114 .114	.015 .024 .097 .144 .126 .110 .094 .086 .086 .091 .1110 .116 .122 .119 .1219 .115 .116	.187 .172 .141 .128 .120 .115 .113 .111 .110 .108 .111 .122 .124 .122 .124 .122 .119 .116	**O72 **O73 **O74 **O74 **O74 **O73 **O75 **O75 **O75 **O63 **O67 **O71 **O79 **O86 **O91 **O87 **O87 **O87 **O87	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -266 .018 .087
-6.000 -5.500 -5.500 -5.500 -4.000 -4.000 -3.500 -2.750 -2.500 -1.750 -1.500 -1.750 -1.500 -1.250	.015 .039 .075 .083 .081 .076 .076 .076 .081 .077 .086 .087 .072 .076 .085 .093 .096 .108 .110	.004 .010 .044 .087 .091 .086 .089 .083 .086 .088 .086 .081 .089 .098 .112 .102 .109	.007 .008 .039 .092 .104 .097 .094 .099 .088 .087 .082 .077 .095 .101 .106 .109 .112 .114	.012 .011 .012 .074 .116 .105 .101 .097 .093 .093 .103 .103 .111 .112 .114 .112	.015 .024 .097 .144 .126 .110 .101 .094 .086 .086 .091 .110 .116 .123 .122 .119 .115 .116	.187 .172 .141 .128 .120 .115 .113 .111 .110 .108 .111 .115 .122 .124 .126 .122 .122 .122 .119 .116	**O72 ***O73 ***O74 ***O73 ***O75 ***O75 ***O75 ***O75 ***O75 ***O77 ***O63 ***O67 ***O77 ***O86 ***O91 ***O87 ***-218 ***-212 ***-178	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -226 .018
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.000 -2.750 -2.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.250 -1.000 -7.750 -1.250 -1.000 -7.750 -1.250 -1.000 -7.750 -1.250 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750	.015 .039 .075 .083 .081 .078 .078 .078 .087 .086 .087 .072 .076 .086 .085 .093 .096 .110 .106 -154 -170 -182	.004 .010 .044 .087 .091 .086 .089 .083 .086 .088 .086 .089 .096 .112 .102 .109 .143 .141 .151 .238	.007 .008 .039 .092 .104 .097 .094 .089 .087 .088 .087 .001 .106 .110 .110 .112 .115 .114	.012 .011 .012 .074 .116 .105 .105 .107 .097 .093 .091 .087 .093 .108 .111 .112 .114 .114 .114	.015 .024 .097 .144 .140 .126 .110 .094 .086 .086 .091 .110 .116 .123 .123 .119 .121 .119 .115 .116	.187 .172 .141 .128 .120 .115 .113 .111 .110 .108 .111 .112 .124 .122 .124 .122 .124 .123 .133	**O72 **O73 **O74 **O73 **O74 **O73 **O75 **O75 **O75 **O67 **O67 **O67 **O67 **O67 **O86 **O91 **O87 **O87 **O87 **O87 **O87 **O71 **O87	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -226 .018
-6.000 -5.500 -5.500 -5.500 -6.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75	.015 .039 .075 .083 .081 .076 .076 .078 .081 .077 .086 .087 .072 .076 .085 .093 .096 .108 .110 .110	.004 .010 .044 .087 .091 .086 .089 .084 .083 .086 .088 .086 .081 .089 .096 .098 .112 .102 .109 -143 -151 -238 -198	.007 .008 .039 .092 .104 .097 .094 .099 .088 .089 .087 .095 .101 .106 .110 .1114 .114	.012 .011 .012 .074 .116 .105 .101 .097 .093 .093 .103 .108 .111 .112 .114 .112	.015 .024 .097 .144 .126 .110 .101 .094 .086 .086 .091 .101 .116 .123 .122 .119 .119 .115 .116	.187 .172 .141 .128 .120 .115 .113 .111 .110 .108 .111 .115 .122 .124 .126 .122 .122 .119 .116	**O72 **O73 **O74 **O74 **O73 **O75 **O75 **O75 **O75 **O77 **O63 **O67 **O79 **O86 **O91 **O87 **-218 **-212 **-178 **-1142	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -226 .018
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.550 -2.500 -1.750 -1.500 -1.750 -1.500 -3.75 -3.75 -	.015 .039 .075 .083 .081 .078 .078 .078 .087 .086 .087 .072 .076 .086 .085 .093 .096 .110 .106 -154 -170 -182 -133 .011	.004 .010 .044 .087 .091 .086 .089 .083 .086 .088 .086 .089 .099 .112 .102 .109 .143 .141 .151 .238 .198	.007 .008 .039 .092 .104 .097 .094 .089 .087 .088 .087 .001 .100 .110 .112 .116 .114 .125 123 210 223	.012 .011 .012 .074 .116 .115 .105 .101 .097 .093 .091 .087 .085 .093 .108 .111 .112 .114 .114 .114 .114	.015 .024 .097 .144 .140 .126 .110 .094 .086 .086 .091 .110 .116 .123 .123 .112 .119 .115 .116	.187 .172 .141 .128 .120 .115 .113 .111 .110 .108 .111 .112 .124 .122 .124 .122 .124 .123 .113	**O72 **O73 **O74 **O73 **O74 **O73 **O75 **O75 **O75 **O67 **O67 **O67 **O67 **O87 **O91 **O87 **O91	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -266 .018 .087
-6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -7.50 -1.500 -7.50 -1.500 -7.50 -1.500 -7.50 -1.500 -7.50 -1.500 -7.50 -1.500 -7.500	.015 .039 .075 .083 .081 .076 .078 .078 .087 .087 .086 .087 .076 .086 .087 .076 .086 .087 .076 .086 .087 .072 .076 .086 .087 .072 .076 .086 .087 .072 .076 .086 .087 .072 .072 .072 .072 .072 .086 .087 .072 .072 .072 .086 .085 .093 .096 .108 .110 .106 .108	.004 .010 .044 .087 .091 .086 .089 .088 .088 .088 .086 .081 .099 .096 .099 .112 .102 .109 -143 -141 -151 -238 -198 -198 -198	.007 .008 .039 .099 .097 .094 .097 .098 .088 .087 .087 .011 .106 .109 .110 .114 .114 .114	.012 .011 .012 .074 .116 .105 .101 .097 .093 .091 .085 .093 .108 .111 .112 .114 .112 .114 .112 .118 .118 .118 .118 .118	.015 .024 .037 .144 .126 .110 .101 .094 .086 .086 .091 .101 .116 .123 .122 .119 .115 .116	187 172 1172 128 120 115 113 111 110 108 111 111 112 122 122 122 112 119 111 113	**O72 **O73 **O74 **O74 **O73 **O75 **O75 **O75 **O75 **O67 **O67 **O79 **O86 **O91 **O87 **O91	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -226 .018
-6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.500 -1.750 -1.500	.015 .039 .075 .083 .081 .078 .078 .078 .087 .086 .087 .076 .086 .087 .072 .076 .086 .085 .093 .096 .110 .106 .154 .174 .174 .174 .182 .133 .011 .043	.004 .010 .044 .087 .091 .086 .089 .083 .086 .088 .086 .089 .096 .112 .102 .109 .143 .141 .151 .238 .198 .133 .057	.007 .008 .039 .092 .104 .097 .094 .089 .087 .088 .087 .001 .100 .110 .110 .112 .114 .125 .123 .210 .223 .171	.012 .011 .012 .074 .116 .105 .1001 .097 .093 .091 .085 .093 .108 .111 .112 .114 .112 .114 .114 .112	.015 .024 .097 .144 .126 .110 .101 .094 .086 .091 .101 .116 .123 .122 .119 .115 .115 .116 .116 .127 .119 .115 .116 .110	.187 .172 .141 .128 .120 .115 .113 .111 .110 .108 .111 .112 .124 .122 .122 .122 .122 .119 .116	**O72 **O73 **O74 **O73 **O74 **O73 **O75 **O75 **O63 **O67 **O67 **O91 **O98 **O91 **O91 **O91 **O091 **O091 **O091 **O091 **O091 **O091 **O091 **O091 **O091 **O090 **O091 **O091 **O090 **O091 **O090 **O091 **O090 **O000 **	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -266 .018 .087
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.500 -3.75 -1.250	.015 .039 .075 .083 .081 .076 .078 .078 .087 .086 .087 .076 .086 .087 .076 .086 .087 .076 .086 .087 .072 .076 .086 .087 .072 .076 .086 .087 .072 .076 .086 .087 .072 .076 .086 .083 .096 .108 .110 .106 .108 .110 .106 .108 .110 .106 .108 .110 .106 .108 .100 .108 .100 .108 .100 .100 .100	.004 .010 .044 .087 .091 .086 .089 .088 .088 .086 .089 .096 .112 .102 .102 .109 .143 .141 .151 .238 .188 .198 .133 .057	.007 .008 .039 .039 .092 .104 .097 .094 .088 .087 .087 .087 .095 .101 .106 .110 .114 .114 .114 .114 .125 .125 .123 .223 .2171 .2124 .223 .2171 .2187	.012 .011 .012 .074 .116 .105 .101 .097 .093 .093 .108 .108 .111 .112 .114 .112 .114 .112 .118 .118 .118 .118 .118 .118 .118	.015 .024 .097 .144 .126 .110 .094 .086 .086 .091 .111 .112 .115 .115 .116	187 172 1172 128 120 115 113 111 110 108 111 115 122 124 122 122 119 116 113	**O72 **O73 **O74 **O74 **O73 **O75 **O75 **O75 **O75 **O63 **O67 **O71 **O63 **O67 **O71 **O79 **O86 **O91 **O87 **O81 **O91 **O91 **O87 **O11 **O91 **O87 **O11 **O91 **O91 **O91 **O91 **O94 **O91 **O94 **O94 **O94 **O94 **O94 **O04 **O044	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -266 .018 .087
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.500 -375 -1.250	.015 .039 .075 .083 .081 .078 .078 .078 .087 .086 .087 .076 .086 .087 .072 .076 .086 .085 .093 .096 .110 .106 .154 .174 .174 .174 .182 .133 .011 .043	.004 .010 .044 .087 .091 .086 .089 .083 .086 .088 .086 .089 .096 .112 .102 .109 .143 .141 .151 .238 .198 .133 .057	.007 .008 .039 .092 .104 .097 .094 .089 .087 .088 .087 .001 .100 .110 .110 .112 .114 .125 .123 .210 .223 .171	.012 .011 .012 .074 .116 .105 .101 .097 .093 .093 .008 .103 .108 .111 .114 .112 .114 .114 .112 .118 .118 .118 .118 .118 .118 .119 .118 .119 .118 .119 .119	.015 .024 .097 .144 .126 .110 .101 .094 .086 .091 .101 .116 .123 .122 .119 .115 .115 .116 .116 .127 .119 .115 .116 .110	.187 .172 .141 .128 .120 .115 .113 .111 .110 .108 .111 .112 .124 .122 .122 .122 .122 .119 .116	**O72 **O73 **O74 **O73 **O74 **O73 **O75 **O75 **O63 **O67 **O67 **O91 **O98 **O91 **O91 **O91 **O091 **O091 **O091 **O091 **O091 **O091 **O091 **O091 **O091 **O090 **O091 **O091 **O090 **O091 **O090 **O091 **O090 **O000 **	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -266 .018 .087
-6.000 -5.500 -5.500 -6.500 -4.000 -3.500 -2.750 -2.500 -1.750 -1.500 -1.250	.015 .039 .075 .083 .081 .076 .076 .076 .087 .087 .087 .072 .076 .086 .085 .093 .096 .108 .110 .110 .110 .110 .110 .110 .110	.004 .010 .044 .087 .091 .086 .089 .088 .088 .086 .081 .089 .098 .112 .102 .109 -143 -141 -151 -238 -198 -198 -199 -102 .019	.007 .008 .039 .092 .104 .097 .094 .099 .088 .089 .087 .095 .101 .106 .109 .112 .114 .114 .114	.012 .011 .012 .074 .116 .105 .101 .097 .093 .091 .085 .093 .108 .111 .112 .114 .112 .114 .112 .118 .114 .112 .118 .114 .119 .118 .119 .119 .119 .119 .119 .119	.015 .024 .097 .144 .126 .110 .101 .094 .086 .091 .101 .116 .123 .122 .119 .115 .116 .116 .121 .119 .115 .116 .101 .101 .101 .101 .101 .101 .101	-187 -172 -141 -128 -129 -129 -115 -113 -110 -108 -111 -111 -112 -124 -122 -122 -122 -119 -116 -113	**O72 **O73 **O74 **O73 **O74 **O73 **O75 **O75 **O75 **O63 **O71 **O91 **O86 **O91 **O87 **O87 **O87 **O87 **O88 **O91 **O87 **O91 **O88 **O91 **O87 **O91 **O88 **O91 **O87 **O88 **O91	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -226 .018
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.000 -1.750 -1.250 -1.750 -1.250 -1	.015 .039 .075 .083 .081 .078 .078 .078 .087 .086 .087 .072 .076 .086 .087 .072 .076 .086 .081 .077 .086 .081 .077 .086 .081 .072 .076 .086 .081 .093 .096 .108 .110 .106 .110 .106 .110 .107 .154 .110 .110 .107 .107 .094	.004 .010 .044 .087 .091 .086 .089 .088 .086 .088 .086 .081 .099 .096 .112 .102 .109 .143 .141 .151 .238 .198 .133 .057 .002 .002 .002 .002	.007 .008 .039 .0992 .104 .097 .098 .088 .087 .088 .087 .005 .106 .109 .110 .116 .114 .114 .114 .115 .125 .125 .125 .121 .223 .171 .066 .087	.012 .011 .012 .074 .116 .115 .105 .101 .097 .093 .093 .093 .108 .111 .112 .114 .112 .118 .114 .112 .118 .118 .118 .118 .118 .119 .118 .118	.015 .024 .097 .144 .126 .110 .094 .086 .086 .091 .101 .116 .123 .122 .119 .115 .116 .115 .116	-187 -172 -172 -172 -172 -172 -172 -172 -113 -111 -110 -108 -111 -115 -122 -124 -122 -122 -122 -122 -123 -001 -006 -025 -001 -023 -024 -010 -005 -038 -145	**O72 **O73 **O74 **O74 **O74 **O75 **O75 **O75 **O67 **O67 **O67 **O71 **O87 **O87 **O91 **O87 **O11 **O91 **O91 **O00 **O000 *	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -266 .018 .087
-6.000 -5.500 -5.500 -5.500 -6.500 -4.000 -3.500 -3.500 -2.750 -2.500 -1.750 -1.500 -1.250 -1.500 -1.2500 -1.2500	.015 .039 .075 .083 .081 .076 .078 .087 .087 .086 .087 .076 .086 .085 .093 .096 .108 .110 .110 -1154 -1170 -1182 -1133 .011 .043 .030 -107 -0049 -0029 -0049 -0029	.004 .010 .044 .087 .091 .086 .089 .084 .083 .086 .088 .086 .081 .089 .096 .098 .112 .102 .109 -143 -141 -151 -238 -198 -133 -057 -002 .020 .020 .026 .032 .008	.007 .008 .039 .099 .092 .104 .097 .094 .091 .088 .089 .087 .095 .101 .106 .109 .110 .112 .116 .114 -125 -123 -210 -262 -223 -171 -124 -087 -086 -036 -031 -018	.012 .011 .012 .074 .116 .105 .101 .097 .093 .093 .103 .108 .111 .112 .116 .114 .112 .118 .112 .118 .112 .118 .112 .118 .112 .118 .119 .119 .119 .119 .119 .119 .119	.015 .024 .097 .144 .126 .110 .094 .086 .086 .091 .101 .110 .116 .123 .122 .119 .115 .116 .115 .116 .099 .002 .002 .002	187 172 172 141 128 120 115 113 111 110 108 111 111 112 124 126 122 122 122 122 122 122 123 124 126 127 119 116 113	.072 .073 .074 .074 .073 .075 .075 .075 .075 .075 .063 .067 .079 .086 .091 .087 -218 -212 -178 -1142 -091 .000 .043 .071 .000	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -266 .018 .087
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.000 -1.750 -1.250 -1.750 -1.250 -1.250 -1.250 -1.250 -1.750 -1.250 -1	.015 .039 .075 .083 .081 .078 .078 .078 .087 .086 .087 .072 .076 .086 .089 .096 .108 .110 .106 .1154 .110 .154 .110 .182 .133 .011 .043 .030 .107 .075 .094 .0075 .0094 .0075 .0094 .0075 .0094 .0075 .0099 .0016	.004 .010 .044 .087 .091 .086 .089 .083 .086 .088 .086 .081 .099 .096 .112 .102 .109 .143 .141 .151 .238 .198 .133 .057 .002 .002 .002 .002 .002 .002	.007 .008 .039 .0992 .104 .097 .094 .089 .087 .088 .087 .005 .106 .106 .110 .112 .114 .114 .114 .114 .114 .115 .125 .125 .123 .210 .223 .217 .087 .087	.012 .011 .012 .074 .116 .105 .101 .097 .093 .093 .093 .108 .111 .112 .114 .112 .114 .112 .118 .114 .112 .118 .118 .118 .118 .119 .118 .119 .118 .118	.015 .024 .097 .144 .140 .126 .110 .094 .086 .086 .091 .1110 .116 .122 .112 .112 .115 .115 .116 .099 .001 .1116 .009 .001 .001 .001 .001 .001 .001 .001	-187 -172 -172 -172 -172 -172 -128 -129 -113 -111 -110 -108 -111 -115 -122 -124 -126 -122 -122 -122 -123 -116 -113	.072 .073 .074 .074 .073 .075 .075 .075 .075 .075 .063 .067 .079 .086 .091 .087 -218 -212 -178 -1142 -091 .000 .043 .071 .000	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -266 .018 .087
-6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -3.75 -2.50 -1.25 -5.00 -3.75 -2.50 -1.25 -5.00 -3.75 -2.50 -1.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500	.015 .039 .075 .083 .081 .076 .078 .087 .086 .087 .076 .086 .087 .076 .086 .087 .076 .086 .087 .072 .076 .086 .083 .096 .108 .110 .106 .106 .1043 .030 .1107 .043 .030 .1107 .043 .030 .1107 .049 .029	.004 .010 .044 .087 .091 .086 .089 .084 .083 .086 .088 .086 .081 .089 .096 .011 .102 .102 .109 -143 -141 -151 -238 -198 -1133 -057 -002 .020 .020 .020 .020 .020 .020 .020	.007 .008 .039 .039 .092 .104 .097 .094 .099 .088 .087 .082 .077 .095 .101 .106 .110 .1114 .114 .114 .114 .125 .123 .223 .171 .220 .223 .171 .126 .087 .088	.012 .011 .012 .074 .116 .105 .101 .097 .093 .093 .108 .108 .108 .111 .112 .114 .112 .114 .112 .118 .112 .118 .119 .203 .203 .203 .203 .203 .203 .203 .203	.015 .024 .027 .144 .126 .110 .101 .094 .086 .086 .091 .101 .110 .1123 .122 .119 .115 .116 .116 .104 .099 .002 .002 .002 .003 .002 .003 .002 .003 .002 .003	187 172 172 141 128 120 115 113 111 110 108 111 111 115 122 124 122 122 122 119 116 113	.072 .073 .074 .074 .073 .075 .075 .075 .075 .075 .063 .067 .079 .086 .091 .087 -218 -212 -178 -1142 -091 .000 .043 .071 .000	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -266 .018 .087
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.000 -2.750 -2.250 -2.000 -1.750 -1.250 -1.500 -1.250 -1.750 -2.550 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500	.015 .039 .075 .083 .081 .078 .078 .078 .087 .086 .087 .072 .076 .086 .089 .096 .108 .110 .106 .1154 .110 .154 .110 .182 .133 .011 .043 .030 .107 .075 .094 .0075 .0094 .0075 .0094 .0075 .0094 .0075 .0099 .0016	.004 .010 .044 .087 .091 .086 .089 .083 .086 .088 .086 .081 .099 .096 .112 .102 .109 .143 .141 .151 .238 .198 .133 .057 .002 .002 .002 .002 .002 .002	.007 .008 .039 .0992 .104 .097 .094 .089 .087 .088 .087 .005 .106 .106 .110 .112 .114 .114 .114 .114 .114 .115 .125 .125 .123 .210 .223 .217 .087 .087	.012 .011 .012 .074 .116 .105 .101 .097 .093 .093 .093 .108 .111 .112 .114 .112 .114 .112 .118 .114 .112 .118 .118 .118 .118 .119 .118 .119 .118 .118	.015 .024 .097 .144 .140 .126 .110 .094 .086 .086 .091 .1110 .116 .122 .112 .112 .115 .115 .116 .099 .001 .1116 .009 .001 .001 .001 .001 .001 .001 .001	-187 -172 -172 -172 -172 -172 -128 -129 -113 -111 -110 -108 -111 -115 -122 -124 -126 -122 -122 -122 -123 -116 -113	.072 .073 .074 .074 .073 .075 .075 .075 .075 .075 .063 .067 .079 .086 .091 .087 -218 -212 -178 -1142 -091 .000 .043 .071 .000	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 109 .110 .104 .090 .073 -179 -158 -166 -209 -262 .083 .087 .091 .087 .018 -226 .018

Table 06 Plate and Spoiler Pressure Coefficients Configuration 3 M= 1.61 R= 0.30 x106

				Plate				Spo	iler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	00°				
	205	201	012	- 007	174	275	-	1	• 498
-6.000 -5.500	•005	•004	.012 .011	.007	•174 •317	•375		2	• 460
-5.000	•005	•004	•011	•004	•363	•403		3	• 453
-4.500	•005	•001	•011	•144	•385	• 404		4	• 469
-4.000	•003	• 004	•017	• 315	•397	•402	•008	5	• 505
-3.500	•010	• 055	•282	• 366	• 406	.400	•010	6	•552
-3.000	•287	•311	•361	•385	• 409	•394	• 256	7	•612
-2.750	•337	• 356	•373	• 390	•412	•393	•327	8	336
-2.500	•362	• 367	•383	• 395	•411	•390	• 362	9	338
-2.250	•382	•383	•389	• 401	•412	• 387	•380	10	337
-2.000	•386	•392	• 397	•403	•412	•389	•391	11	335
-1.750	• 402	• 399	• 404	• 411	• 406	•392 •396	• 399	13	. 454
-1.500 -1.250	• 403 • 383	•403	•403	• 407 • 398	.393	•404	.408	14	. 443
-1.000	•402	•401	• 398	•390	•393	.417	• 403	15	. 467
750	•392	•388	•384	.385	•398	.440	.389	16	.502
625	•382	•382	•382	• 387	• 407	• 454	•381	17	.570
500	•387	•376	•385	•396	• 425	•475	•378	18	•632
375	•397	•400	.401	•413	•431	.508	•389	19	334
250	•418	•423	• 422	.451	•489	•537	.415	20	337
125 .	•481		• 488		•537		• 485	21	337
•000	•525	•526	•519	•524	•527	•528	•535	22	336
- 250	m. 220	220	340	224			338		
• 250	338	338	340	334	330		339		
•375 •500	336 343	343 342	344	342 344	333		345		
• 750	342	343	349	344	333	336	337		
1.000	315	298	332	341	337	339	309		
1.250	267	268	288	309	335	335	259		
1.500	213	213	237	278	331	336	209		
1.750	122	163	192	245	322	332	163	The state of	
2.000	122	119	142	212	306	333	127		
2.250	092	091	122	184	278	333	100		
2.500	073	072	098	151	247	329	079		
2.750	062	060	085	121	226	331	068	LIE ARTHUR	
3.000	051	048	075	095	201	333	057		
3.500	042	041	052	072	158	314			
4.000	035	031	044	053	120	297			
4.500	034	031	037	040	095	269			
5.000	032	024	031	030	076	234			
5.500	034	022	026	017	052	207			
6.000	033	019	012	007	032	177			
				Λ=	15°		AT LEAST		
-4 000	005	204	011		•208	•360		1	• 454
-6.000 -5.500	•005	•004	•011	•004	.320	.365		1 2	.419
-5.000	•005	•002	•009	•000	•353	•375		3	.408
-4.500	•001	•001	.011	•127	•365	•376		4	.418
-4.000	•003	•002	.013	.296	•375	•370	•008	5	. 445
-3.500	•039	•075	.269	•346	•383	.381	•069	6	• 478
-3.000	•298	•311	•350	•370	•392	•381	• 306	7	•522
-2.750	•335	• 354	• 363	• 376	•396	•363	•334	8	339
-2.500	•353	• 360	•374	• 382	•402	•351	• 353	9	339
-2.250	•371	•374	• 376	• 385	•401	•347	•361	10	340
-2.000	•366	•378	•378	• 387	•393	•349	•369	11	341
-1.750	•378	•381	•387	• 392	•381	•358	•375	12	• 448
-1.500	•379	• 385	•380	• 386	•368	• 364	•381	13	• 416
-1.250	•372	• 381	•377	•370	•358	•376	•383	14	• 407
-1.000	•376	•376	•370	• 357	•357	*390	•381 •369	16	. 448
750	• 365	•362	• 354	•349	•366	• 415 • 431	• 366	17	.491
625	•360	• 359	•351	• 352	•378	•448	• 365	18	• 525
500	• 363	• 352	•357	• 362 • 381	• 391 • 390	•471	•371	19	325
375	•364	• 366	•366 •389	• 411	• 448	•488	•389	20	329
250	•386	• 386	• 446	• 411	• 486	• 400	• 436	21	328
125	• 466	• 469	•446	.464	• 475	.474	• 472	22	319
								The state of the s	
•250	338	335	339	337			328		
• 375	335	340	342	336	327		328		
•500	343	339	344	341	328		334		
• 750	338	339	344	340	327	331	328	The late of the la	
1.000	300	291	330	337	327	326	-•298		
1.250	244	264	296	310	328	327	251		
1.500	194	210	253	284	322	327	203		
1.750	106	164	210	251	314	325	163		
2.000	110	128	158	212	297	321	128		
2 • 250	084	100	134	178	274	319	103		
2.500	073	081	112	147	254	316	086 071		
	064	069	090	121	227	316			
2.750		059	078	103	201	327 307	062		
2.750	060	- 000							
2 • 750 3 • 000 3 • 500	055	053	055	072	155				
2.750 3.000 3.500 4.000	055 047	053 043	049	054	120	295			
2.750 3.000 3.500 4.000 4.500	055 047 033	053 043 036	049 047	054 043	120 095	295 270			
2.750 3.000 3.500 4.000	055 047	053 043	049	054	120	295			

Table 06 Continued

Plate and Spoiler Pressure Coefficients

Configuration 3 M= $^{1.61}$ R= $^{0.30}$ x 10.6

				Plate				Spoiler
x,in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.
				Λ= 30	0			
4 000	1 .007	003	•006	•001	•105	•345		1 •386
-6.000 -5.500	•007	003	•006 •004	•001	•105 •319	•345		2 .358
-5.000	•007	002	•005	•056	• 359 • 355	•271 •240		4 .369
-4.500	•006	003 .065	•016 •236	•281 •319	• 350	.220	•047	5 .390
-4.000 -3.500	•035	•252	•304	•320	• 340	.214	• 243	6 • 402
-3.000	.290	.290	•314	•313	•320	.219	•300	7 •412
-2.750	•299	•307	•309	•309	•313	•222	•311	8309 9322
-2.500	•302	•300	•303	• 308	• 303	.229	•322	10333
-2.250	•311	•300 •298	•299 •299	•301 •299	•296 •289	.240	.337	11317
-2.000 -1.750	•300 •313	.300	•298	.298	.287	.250	•341	12 •403
-1.500	•310	•298	•291	•294	•285	•259	• 345	13 • 381
-1.250	•288	•302	•293	• 290	• 286	•275	• 348	14 • 378 15 • 388
-1.000	•313	•305	•299	• 291 • 294	·292	•294	•350 •346	16 .400
750	•310	•303	•298 •298	.291	•305	•336	•340	17 .429
625 500	•311	•290	•300	• 296	•317	,355	•336	18 • 426
375	•306	•303	•304	• 305	•317	•383	• 343	19302
250	•320	•315	•319	• 335	• 370	.410	• 358	20301
- • 125	•375	100	•379	•407	•417	•411	• 395 • 417	22 299
•000	•413	•408	•407	•407	• • • •	•		
• 250	321	322	318	314	2.5		302	
•375	331	333	325	320	300 301		302	
•500	344	341	334	325	301	298	302	
•750	322	334	335	329 324	299	295	296	
1.000	282 235	284 260	321 298	296	295	292	268	
1.250	200	214	273	282	292	290	233	
1.500	128	175	239	266	289	288	200	
2.000	150	146	193	245	284	284	172	
2.250	133	128	177	224	275	-,285	148	
2.500	117	114	147	203	263	284	128	
2.750	098	101	130	178	248	289	111 100	
3.000	084	092	113	158	233 197	297 297	100	
3.500	058	073	085	125 097	163	288		
4.000	-•041 -•024	053 038	070 057	079	137	273		
4.500 5.000	015	028	041	062	117	254		
5.500	016	013	034	051	102	236		
6.000	009	004	024	042	091	213	and the second	
				Λ= 4	5°			
-6.000	.011	•004	•012	•006	•021	•323		1 •203
-5.500	•008	•005	•010	•005	•173	•324		2 .162
-5.000	•011	•002	•010	•010	• 306	• 270		4 •142
-4.500	•012	•002	•024	•219	•323	•212 •179	•185	5 .169
-4.000	•147	•135	•216	•280 •289	•321 •309	.151	•224	6 •201
-3.500	• 234	•237 •259	•275 •280	.280	•269	.132	•238	7 • 245
-3.000 -2.750	•257 •258	• 272	• 268	• 278	•239	•128	• 244	8258
-2.500	•254	•259	•265	• 270	•212	•121	• 245	9 297
-2.250	•253	.255	•259	• 252	•179	•116	• 245	10311 11299
-2.000	•242	• 253	•254	•228	•151	•117 •120	• 242 • 240	12 •280
-1.750	• 250	•248	• 236	•200	•133 •116	•120	• 240	13 • 254
-1.500	•234	•230 •202	•207 •176	•169 •134	•111	.138	• 245	14 • 253
-1.250	•192	•165	•138	•107	.110	.158	•250	15 • 267
-1.000 750	.130	•118	•101	.093	•118	•182	• 249	16 •276
625	.110	•103	•093	•093	•129	•194	• 247	17 •291 18 •267
500	•097	•079	•095	•101	•144	•214	•236 •228	18 • 267 19 -• 265
375	•097	•097	•106	•120	•114	•238 •254	•234	20 264
250	•121	•124	•131	•163	•212 •248	•254	• 273	21 268
~.125	•198	•238	•210	•232	•240	•239	• 297	22 279
•000	•236							
•250	265	263	261	254	240		269 271	
•375	267	275	274	261 276	238		266	
•500	261	282	299 291	295	238	214	250	
•750	182	183	247	285	239	187	247	
1.000	171 166	189	208	244	248	200	252	
1.500	167	183	182	216	266	222	248	
1.750	115	171	163	193	276	226	231	
2.000	149	153	134	174	278	227	201	
2.250	144	139	132	155	271	226	165 130	-
	141	126	116	135	260	229 242	101	
2.500	164	120	112	122	252	256	079	
2.750	171	117	105	103 085	-,224	230		
2.750		- 122						
2.750 3.000 3.500	•043	123	093	069		243		
2.750 3.000 3.500 4.000	•043 •052	013	092	069	193	239		
2.750 3.000 3.500 4.000 4.500	.043 .052 .026	013	093 092 085 061	069 054 044	193 174 148	239 248		
2.750 3.000 3.500 4.000	•043 •052	013	092 085	069 054	193 174	239		

Table 06 Concluded
Plate and Spoiler Pressure Coefficients
Configuration 3 M= 1.61 R= 0.30 × 106

				M= 1			X 10 6		
v in	T Row O	T Row I	Row 3	Plate Row 4	Row 6	Row 7	Row 9	Orifice No.	ler
x, in.	1 NOW O	11044 1	1104 5		60°	110W 7	Now 9	Office 140.	
-6.000 -5.500	•006	•003 •003	•013	•005	.018	• 206 • 265		1 2	•185 •185
-5.000	•.005	•002	•012	•005	.104	• 253		3	•183
-4.500	•011	•003	.012	•036	•209	•221		4	•191
-4.000	•074	•041	•069	•147	•233	•159	.149	5	• 204
-3.500 -3.000	•144	•133 •180	•167 •204	•199 •210	.234	•130 •139	• 162 • 168	6 7	• 213 • 205
-2.750	•189	•201	.207	•214	.219	•148	. 168	8	237
-2.500	•189	•198	.208	•209	.204	.160	.168	9	244
-2.250	•201	•203	.207	•212	.165	•176	• 161	10	261
-2.000 -1.750	•186 •195	•199 •199	.208	•199	•132	•193	•156	11	283
-1.500	191	•192	.186	•189 •147	•120 •124	•212	•151	12	•068 •057
-1.250	•145	•176	.159	•111	.137	•229	.139	14	•047
-1.000	•141	•132	.112	•107	.163	•234	•127	15	.046
750 625	•094	•097	.101	•131	•193	•233	•116	16	•053
500	•115	•101 •087	•115 •142	•147 •164	•206	•232 •227	•110	17	•070 •067
375	•136	•147	.162	•178	•190	•227	.076	19	200
250	•165	•170	.173	•197	.213	•217	•063	20	206
125	•185	201	.193	100	•205	201	•072	21	187
•000	•199	•201	•200	•199	•206	•204	•077	22	189
• 250	235	227	225	219	- 204		201		
•375 •500	229 236	-•225 -•222	223	219 210	204		-•214 -•212		
•750	290	270	222	193	182	183	134		
1.000	330	307	255	158	159	149	150		
1.250	344	338	253	200	154	100	167		
1.500	375	356	238	200	228	074	215		
1.750	213 139	-•345 -•250	235 254	-•177 -•192	274 225	069 075	187 190		
2.250	034	140	235	170	189	092	196		
2.500	•020	044	158	129	194	127	177		
2.750	•039	•004	070	119	200	168	105		
3.000	.048 .046	•017	•017	120	207	193	006		
4.000	•025	•012 •011	.085 .085	017	182 176	081 222			
4.500	.018	•010	•073	•068	170	197			
5.000	.011	•006	.065	•089	164	163			
5.500	*005 *009	•008	•054	•079	159	171			
8.000	2009	•010	•047	•072	-•139	163			
					'5°				
-6.000 -5.500	•011 •011	•002	•011	•001	.013	•061 •130		1 2	• 060 • 063
-5.000	•017	•002	.011	001	.044	•127		3	.064
-4.500	•040	•013	.018	.027	•094	•112		4	•067
-4.000	•055	•049	•058	•068	•101	•100	•049	5	• 066
-3.500 -3.000	.055	•060	•077	•076 •070	.091	•090	•046	6 7	• 054
-2.750	.053	.071	.069	•066	.003		.043		
-2.500	.053				.080	•076	.042		.021
-2.250		•058	.065	•065	.080	•071 •066	•042	8 9	
	•060	•058	.065 .065	•065 •065	.081 .078	•071 •066 •065	•042 •042	8 9 10	.021 122 140 149
-2.000	.060	•058 •060 •060	.065 .065	•065 •065 •066	.081 .078 .074	•071 •066 •065 •065	.042 .042 .042	8 9 10 11	.021 122 140 149 259
-2.000 -1.750	.060 .046	•058 •060 •060 •060	.065 .065 .067	.065 .065 .066	.081 .078 .074	.071 .066 .065 .065	.042 .042 .042	8 9 10 11 12	.021 122 140 149 259
-2.000	.060	•058 •060 •060	.065 .065	•065 •065 •066	.081 .078 .074 .075 .069	.071 .066 .065 .065 .070	.042 .042 .042 .042 .042	8 9 10 11	.021 122 140 149 259 .046
-2.000 -1.750 -1.500 -1.250 -1.000	.060 .046 .060 .054 .042	.058 .060 .060 .060 .057 .060	.065 .065 .067 .067 .060 .061	065 065 066 067 068 064	.081 .078 .074 .075 .069 .058	071 066 065 065 070 067	.042 .042 .042 .042 .046 .050	8 9 10 11 12 13 14 15	.021 122 140 149 259 .046 .046
-2.000 -1.750 -1.500 -1.250 -1.000 750	.060 .046 .060 .054 .042 .059	.058 .060 .060 .060 .057 .060 .065	.065 .065 .067 .067 .060 .061 .062	065 065 066 067 068 064 055	081 078 074 075 069 058 054	.071 .066 .065 .065 .070 .067 .064 .067	.042 .042 .042 .042 .046 .050 .056	8 9 10 11 12 13 14 15	.021 122 149 149 259 .046 .046 .047
-2.000 -1.750 -1.500 -1.250 -1.000 750 625	.060 .046 .060 .054 .042 .059 .059	058 060 060 060 057 060 065 061	.065 .065 .067 .067 .060 .061 .062 .052	065 065 066 067 068 064 055	081 078 074 075 069 058 054	.071 .066 .065 .065 .070 .067 .064 .067	.042 .042 .042 .042 .046 .050 .056	8 9 10 11 12 13 14 15 16 17	.021 122 140 149 259 .046 .046 .047 .055 .065
-2:000 -1:750 -1:500 -1:250 -1:000 -:750 -:625 -:500	.060 .046 .060 .054 .042 .059 .059	.058 .060 .060 .060 .057 .060 .065 .061 .054	.065 .065 .067 .067 .060 .061 .062 .052	.065 .065 .066 .067 .068 .064 .055 .045 .052	081 078 074 075 069 058 054 064	.071 .066 .065 .065 .070 .067 .064 .067 .073	.042 .042 .042 .042 .046 .050 .056 .058	8 9 10 11 12 13 14 15 16 17	.021 122 140 149 259 .046 .047 .055 .065
-2.000 -1.750 -1.500 -1.250 -1.000 750 625 500 375 250	.060 .046 .060 .054 .042 .059 .059 .054 .047	058 060 060 060 057 060 065 061	.065 .065 .067 .067 .060 .061 .062 .052 .052 .055 .057	065 065 066 067 068 064 055	.081 .078 .074 .075 .069 .058 .054 .064 .070 .076	.071 .066 .065 .065 .070 .067 .064 .067	. 0 42 . 0 42 . 0 42 . 0 42 . 0 46 . 0 50 . 0 56 . 0 58 . 0 56 . 0 54	8 9 10 11 12 13 14 15 16 17	.021 122 149 259 .046 .047 .055 .065 .077 .076 175 176
-2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -125	.060 .046 .060 .054 .042 .059 .059 .054 .048 .047 .055	.058 .060 .060 .050 .057 .060 .065 .061 .054 .027 .056	.065 .065 .067 .067 .060 .061 .062 .052 .052 .055 .057	.065 .065 .066 .067 .068 .064 .055 .045 .052 .062 .065 .076	.081 .078 .074 .075 .069 .058 .054 .064 .070 .076	.071 .066 .065 .065 .070 .067 .064 .067 .073 .078 .083	. 0 42 . 0 42 . 0 42 . 0 42 . 0 46 . 0 50 . 0 56 . 0 58 . 0 58 . 0 56 . 0 54 . 0 49 . 0 54	8 9 10 11 12 13 14 15 16 17 18 19 20 21	.021 122 140 149 259 .046 .046 .047 .055 .065 .077 .076 175
-2.000 -1.750 -1.500 -1.250 -1.000 750 625 500 375 250	.060 .046 .060 .054 .042 .059 .059 .054 .047	.058 .060 .060 .060 .057 .060 .065 .061 .054 .027	.065 .065 .067 .067 .060 .061 .062 .052 .052 .055 .057	.065 .065 .066 .067 .068 .064 .055 .045 .052 .065	.081 .078 .074 .075 .069 .058 .054 .064 .070 .076	.071 .066 .065 .065 .070 .067 .064 .067 .073 .078	. 0 42 . 0 42 . 0 42 . 0 42 . 0 46 . 0 50 . 0 56 . 0 58 . 0 56 . 0 54	8 9 10 11 12 13 14 15 16 17 18 19 20	.021 122 149 259 .046 .047 .055 .065 .077 .076 175 176
-2.000 -1.750 -1.500 -1.250 -1.000750 -6.25500375250125000	.060 .046 .060 .054 .042 .059 .059 .054 .048 .047 .055 .066 .083	.058 .060 .060 .057 .060 .057 .061 .054 .027 .056 .058	.065 .067 .067 .060 .061 .062 .052 .052 .057 .060 .070 .081	**O65 **O66 **O67 **O68 **O64 **O55 **O45 **O52 **O62 **O65 **O76	.081 .074 .075 .069 .058 .054 .064 .070 .067 .081 .086	.071 .066 .065 .065 .070 .067 .064 .067 .073 .078 .083	. 0.42 . 0.42 . 0.42 . 0.42 . 0.46 . 0.56 . 0.58 . 0.58 . 0.56 . 0.54 . 0.54 . 0.54	8 9 10 11 12 13 14 15 16 17 18 19 20 21	.021 122 140 149 259 .046 .046 .047 .055 .065 .077 .076 175
-2:000 -1:750 -1:500 -1:250 -1:250 -:500 -:625 -:500 -:375 -:250 -:125 -:000	.060 .046 .060 .054 .059 .059 .059 .054 .048 .047 .055 .066 .083	.058 .060 .060 .060 .057 .060 .065 .061 .0054 .027 .056 .058	.065 .067 .067 .060 .061 .062 .052 .052 .055 .057 .060 .070 .081	**O65 **O66 **O67 **O68 **O64 **O55 **O62 **O62 **O62 **O65 **O76 **O80	.081 .076 .075 .069 .058 .054 .067 .067 .081	.071 .066 .065 .065 .070 .067 .064 .067 .073 .078 .083	. 0 42 . 0 42 . 0 42 . 0 42 . 0 46 . 0 50 . 0 56 . 0 58 . 0 56 . 0 54 . 0 54 . 0 54 . 0 54	8 9 10 11 12 13 14 15 16 17 18 19 20 21	.021 122 140 149 259 .046 .046 .047 .055 .065 .077 .076 175
-2.000 -1.750 -1.500 -1.250 -1.250 -1.000 750 625 500 375 250 125 .000	.060 .046 .060 .054 .042 .059 .059 .054 .048 .047 .055 .066 .083	.058 .060 .060 .060 .057 .065 .061 .054 .027 .056 .058	.065 .065 .067 .060 .061 .062 .052 .052 .055 .057 .060 .070 .081	**O65 **O66 **O67 **O68 **O64 **O55 **O45 **O62 **O62 **O62 **O63 **O76 **O80 ** O80 **O80 **O80 **O80 ** O80 ** O80 **O80 ** O80 ** O80 ** O80 ** O80 ** O80 ** O80 ** O80 ** O80 * O80 * O80 * O80 * O80 * O80 * O80 * O80 * O80 * O80 * O80 *	.081 .078 .074 .075 .069 .054 .064 .070 .076 .081 .086	071 066 065 065 070 067 064 067 073 078 083 090 082	. 0.42 . 0.42 . 0.42 . 0.42 . 0.46 . 0.50 . 0.58 . 0.58 . 0.56 . 0.54 . 0.54 . 0.54 . 0.54 . 1.74 . 1.88 . 1.63	8 9 10 11 12 13 14 15 16 17 18 19 20 21	.021 122 140 149 259 .046 .046 .047 .055 .065 .077 .076 175 176
-2.000 -1.750 -1.500 -1.250 -1.000 750 625 500 375 250 125 000	.060 .046 .060 .054 .042 .059 .059 .054 .047 .055 .066 .083	.058 .060 .060 .060 .057 .060 .065 .061 .0054 .027 .056 .058	.065 .067 .067 .060 .061 .062 .052 .052 .055 .057 .060 .070 .081	065 066 066 067 068 064 055 052 065 076 080	.081 .076 .075 .069 .058 .054 .067 .067 .081	.071 .066 .065 .065 .070 .067 .064 .067 .073 .078 .090 .082	. 0 42 . 0 42 . 0 42 . 0 42 . 0 46 . 0 50 . 0 56 . 0 58 . 0 56 . 0 54 . 0 54 . 0 54 . 0 54	8 9 10 11 12 13 14 15 16 17 18 19 20 21	.021 122 140 149 259 .046 .046 .047 .055 .065 .077 .076 175 176
-2.000 -1.750 -1.500 -1.500 -1.250 -1.000625500375220125 0000250375000375000375000	.060 .046 .060 .054 .059 .059 .059 .059 .048 .047 .055 .066 .083	.058 .060 .060 .060 .065 .065 .061 .054 .027 .058 .084 111 114 1281	.065 .065 .067 .060 .060 .062 .052 .052 .056 .070 .081 -103 -1103 -1189 -222	065 065 066 067 068 064 055 045 052 062 065 076 080 -080 -080 -080 -082	.081 .078 .075 .069 .058 .054 .064 .070 .076 .081 .076 .086 -067 -008 -0059 -0033 -020 -005	.071 .066 .065 .065 .070 .067 .064 .067 .073 .078 .083 .090 .082	. 0.42 . 0.42 . 0.42 . 0.42 . 0.46 . 0.50 . 0.56 . 0.58 . 0.56 . 0.54 . 0.49 . 0.54 . 0.54 . 0.54 . 0.54 . 0.54 . 0.54 . 0.55 . 0.54	8 9 10 11 12 13 14 15 16 17 18 19 20 21	.021 122 140 149 259 .046 .046 .047 .055 .065 .077 .076 175 176
-2.000 -1.750 -1.500 -1.250 -1.000750625500375250125000250375000250375000375000350350350350350350350350350	.060 .046 .060 .054 .059 .059 .054 .048 .047 .055 .066 .083 -124 -126 -174 -341 -228 -109	.058 .060 .060 .060 .057 .065 .065 .054 .027 .056 .058 .084 111 114 281 281 181 111	.065 .065 .067 .067 .060 .062 .052 .052 .055 .057 .060 .070 .081 -103 -103 -118 -1189 -222 -1144	065 0665 0667 068 068 0055 0055 0052 065 076 080 -092 -088 -082 -080 -084 -003	.081 .074 .075 .069 .058 .054 .064 .070 .067 .081 .076 .086 -067 .086 -059 -033 .020 -0054	.071 .066 .065 .065 .070 .067 .064 .067 .073 .078 .082 .090 .082	. 0.42 . 0.42 . 0.42 . 0.42 . 0.46 . 0.50 . 0.58 . 0.56 . 0.54 . 0.54	8 9 10 11 12 13 14 15 16 17 18 19 20 21	.021 122 140 149 259 .046 .046 .047 .055 .065 .077 .076 175 176
-2.000 -1.750 -1.500 -1.500 -1.250 -1.000750625500375250125000375500750 1.000 1.250 1.500 1.750	.060 .046 .060 .054 .059 .059 .059 .059 .048 .047 .055 .066 .083 124 174 341 228 109 034	.058 .060 .060 .060 .065 .065 .065 .0054 .027 .056 .058 .084 111 135 281 181 181 181	.065 .065 .067 .060 .061 .062 .052 .052 .055 .057 .060 .070 .081	065 065 066 067 068 068 0055 0052 062 065 076 080 -092 -086 -082 -044 -003 041	.081 .078 .074 .075 .069 .058 .054 .067 .070 .076 .081 .076 .086 .086 .076 .086 .076 .086 .076 .086 .076 .086 .076 .086 .076 .086 .098 .098 .098 .098 .098 .098 .098 .098	.071 .066 .065 .065 .070 .067 .004 .0073 .078 .083 .090 .082	. 0.42 . 0.42 . 0.42 . 0.42 . 0.44 . 0.50 . 0.58 . 0.58 . 0.56 . 0.54 . 0.54 . 0.54 . 0.54 . 0.54 . 0.54 . 0.54 . 0.54 . 0.54 . 0.55 . 0.58 . 0.56 . 0.58 . 0.56 . 0.58 . 0.56 . 0.58 . 0.56 . 0.56	8 9 10 11 12 13 14 15 16 17 18 19 20 21	.021 122 140 149 259 .046 .046 .047 .055 .065 .077 .076 175 176
-2.000 -1.750 -1.500 -1.250 -1.00075062550037525012500037512510003751251000375125100037510003753	.060 .046 .060 .054 .059 .059 .054 .048 .047 .055 .066 .083 -124 -126 -174 -341 -228 -1034 .042	.058 .060 .060 .060 .057 .065 .005 .005 .0054 .027 .056 .058 .084 111 135 281 264 181 111 073 044	.065 .065 .067 .067 .060 .061 .062 .052 .052 .055 .057 .060 .070 .081 -103 -103 -118 -118 -1222 -1144 -095	065 0665 0667 068 068 0055 0052 0052 0065 0076 080 -092 -0880 -092 -0880 -0944 -003 0441 0666 097	.081 .074 .075 .069 .058 .054 .070 .076 .081 .076 .086 .076 .086 .076 .086 .076 .086 .076 .086 .076 .086 .076 .086 .076 .086 .076 .086 .086 .096 .096 .096 .096 .096 .096 .096 .09	.071 .066 .065 .065 .070 .067 .067 .073 .073 .078 .082 .082	. 0.42 . 0.42 . 0.42 . 0.42 . 0.46 . 0.50 . 0.58 . 0.56 . 0.54 . 0.55 . 0.55 . 0.54 . 0.54 . 0.55 . 0.54 . 0.55 . 0.55	8 9 10 11 12 13 14 15 16 17 18 19 20 21	.021 122 140 149 259 .046 .046 .047 .055 .065 .077 .076 175 176
-2.000 -1.750 -1.500 -1.500 -1.250 -1.000750625500375250125000375500750 1.000 1.250 1.500 1.750	.060 .046 .060 .054 .059 .059 .059 .059 .048 .047 .055 .066 .083 124 174 341 228 109 034	.058 .060 .060 .060 .065 .065 .065 .0054 .027 .056 .058 .084 111 135 281 181 181 181	.065 .065 .067 .060 .061 .062 .052 .052 .055 .057 .060 .070 .081	065 065 066 067 068 068 0055 0052 062 065 076 080 -092 -086 -082 -044 -003 041	.081 .078 .074 .075 .069 .058 .054 .064 .070 .076 .081 .086 .086 .086 .086 .086 .086 .096 .0059	.071 .066 .065 .065 .070 .067 .004 .0073 .078 .083 .090 .082	. 0.42 . 0.42 . 0.42 . 0.42 . 0.44 . 0.50 . 0.58 . 0.58 . 0.56 . 0.54 . 0.54 . 0.54 . 0.54 . 0.54 . 0.54 . 0.54 . 0.54 . 0.54 . 0.55 . 0.58 . 0.56 . 0.58 . 0.56 . 0.58 . 0.56 . 0.58 . 0.56 . 0.56	8 9 10 11 12 13 14 15 16 17 18 19 20 21	.021 122 140 149 259 .046 .046 .047 .055 .065 .077 .076 175 176
-2.000 -1.750 -1.500 -1.500 -1.500 -1.00075062550037525012500037550075015007501500750250025003750	.060 .046 .060 .054 .059 .059 .059 .055 .066 .083 -124 -126 -174 -341 -228 -109 -042 .042	.058 .060 .060 .060 .057 .065 .065 .0054 .027 .056 .058 .084 111 135 281 181 181 073 044 025 007 .003	.065 .067 .067 .060 .061 .062 .052 .052 .055 .057 .060 .070 .081 -103 -103 -118 -1189 -222 -1144 -095 -059 -041	.065 .066 .067 .068 .064 .055 .045 .052 .062 .065 .076 .080 080 080 080 080 080 092 060 .065 .065 .076	.081 .074 .075 .069 .058 .054 .064 .070 .076 .081 .086 .086 .076 .086 .086 .096 .096 .096 .096 .096 .096 .096 .09	.071 .066 .065 .065 .070 .067 .0067 .073 .078 .083 .090 .082 .082	. 0.42 . 0.42 . 0.42 . 0.42 . 0.46 . 0.50 . 0.58 . 0.58 . 0.56 . 0.54 . 0.54 . 0.54 . 1.74 . 1.83 . 1.63 . 1.63 . 0.71 . 0.71 . 0.71 . 0.71 . 0.73 . 0.73 . 0.73 . 0.73 . 0.73	8 9 10 11 12 13 14 15 16 17 18 19 20 21	.021 122 140 149 259 .046 .046 .047 .055 .065 .077 .076 175 176
-2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -1125 -000 -375 -125 -1000 -750 -1.250 -	.060 .060 .060 .054 .059 .059 .059 .059 .055 .066 .083 124 126	+ 058 + 060 + 060 + 060 + 057 + 065 + 061 + 054 + 027 + 056 + 058 + 084 - 111 - 114 - 135 - 281 - 264 - 111 - 107 - 07 + 007 + 0	.065 .067 .067 .060 .061 .062 .052 .052 .057 .060 .070 .081 -103 -103 -118 -118 -118 -118 -061 -059 -059 -059	065 0665 0667 068 068 0055 0052 0062 0065 0076 0080 -0082 -0080 -0082 -0080 -0044 0067 0139 1151 1151	.081 .074 .075 .069 .058 .054 .076 .076 .081 .076 .086 .076 .086 .076 .086 .076 .033 .020 .005 .019 .005 .019 .005 .019 .005 .019 .005 .019 .005 .005 .005 .005 .005 .005 .005 .00	.071 .066 .065 .065 .070 .067 .067 .073 .078 .083 .090 .082 .082	. 0.42 . 0.42 . 0.42 . 0.42 . 0.46 . 0.56 . 0.58 . 0.56 . 0.54 . 0.55 . 0.55	8 9 10 11 12 13 14 15 16 17 18 19 20 21	.021 122 140 149 259 .046 .046 .047 .055 .065 .077 .076 175 176
-2.000 -1.750 -1.500 -1.250 -1.000750625500375250125000375250125000375250375 -	.060 .046 .060 .054 .059 .059 .059 .054 .048 .047 .055 .066 .083 -124 -126 -174 -341 -228 -109 -034 .042 .046 .051	.058 .060 .060 .060 .057 .065 .065 .0054 .027 .056 .058 .084 111 135 281 181 181 073 007 .003 .003 .003	.065 .067 .067 .060 .061 .062 .052 .052 .056 .057 .060 .070 .081 	.065 .066 .066 .067 .068 .064 .055 .045 .065 .076 .080 .080 .080 .080 .080 .080 .092 .080 .094 .093 .094 .093 .094 .097 .097 .097 .097 .097 .097 .097	.081 .074 .075 .069 .058 .054 .064 .070 .076 .081 .076 .086 -1059 -1033 -1020	.071 .006 .0065 .0065 .070 .064 .073 .078 .083 .090 .082 .082 .082	. 0.42 . 0.42 . 0.42 . 0.42 . 0.46 . 0.50 . 0.58 . 0.58 . 0.56 . 0.54 . 0.54 . 0.54 . 1.74 . 1.83 . 1.63 . 1.63 . 0.71 . 0.71 . 0.71 . 0.71 . 0.73 . 0.73 . 0.73 . 0.73 . 0.73	8 9 10 11 12 13 14 15 16 17 18 19 20 21	.021 122 140 149 259 .046 .046 .047 .055 .065 .077 .076 175 176
-2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 000 250 375 -500 1.000 1.250 1.500 2.250 2.750 2.000 2.500 2.750 3.000 3.500 4.000	.060 .046 .060 .054 .059 .059 .059 .055 .066 .083 124 126 174 341 228 109 034 .042 .046 .051 .053	.058 .060 .060 .060 .057 .065 .061 .054 .027 .056 .058 .084 111 114 135 281 264 1111 073 044 025 007 .003	.065 .065 .067 .060 .061 .062 .052 .052 .055 .057 .060 .070 .081 -103 -1103 -1103 -1103 -1189 -222 -1144 -149 -1059 -041 -059 -041 -059 -041 -037 -037 -032 -032	065 0665 0667 0668 0667 0068 0069 0055 0052 0065 0076 0080 -0080 -0080 -0080 -0080 -1080 -1080 -1092 -1080 -1092 -1080 -1092 -1093 -	.081 .078 .074 .075 .069 .058 .054 .067 .070 .076 .081 .076 .081 .076 .086 .076 .033 .020 .009 .030 .009 .031	.071 .006 .0065 .0067 .0067 .0067 .0067 .0073 .073 .090 .082 .082 .010 .010 .079 .129 .117 .091 .006 .035 .001 .035 .001	. 0.42 . 0.42 . 0.42 . 0.42 . 0.46 . 0.50 . 0.58 . 0.58 . 0.56 . 0.54 . 0.54 . 0.54 . 1.74 . 1.83 . 1.63 . 1.63 . 0.71 . 0.71 . 0.71 . 0.71 . 0.73 . 0.73 . 0.73 . 0.73 . 0.73	8 9 10 11 12 13 14 15 16 17 18 19 20 21	.021 122 140 149 259 .046 .046 .047 .055 .065 .077 .076 175 176
-2:000 -1:750 -1:500 -1:500 -1:250 -1:000 -:750 -:250 -:125 -:000 -:750 -:250 -:125 -:000 -:750 -:250	.060 .046 .060 .054 .059 .059 .059 .055 .066 .083 -124 -174 -341 -228 -109 -034 .042 .046 .051 .023 .002	.058 .060 .060 .060 .065 .065 .065 .054 .027 .056 .058 .084 111 135 281 181 181 173 044 025 007 .003 .003 .003 .003 .003 .003 .003	.065 .065 .067 .060 .061 .062 .052 .055 .057 .060 .070 .081 .103 .1103 .1103 .1103 .1189 .222 .1144 .095 .061 .059 .059 .059 .059 .059 .059 .059 .059	.065 .066 .067 .068 .064 .055 .045 .052 .062 .065 .076 .080 080 080 080 080 080 080 092 060 .097 .139 .151 .129 .111 .074 .061	.081 .078 .074 .075 .069 .058 .054 .067 .070 .076 .081 .076 .086 .086 .086 .086 .096 .0059 .0059 .0014 .009 .009 .009 .009 .009 .009 .009 .00	.071 .006 .0065 .0067 .0067 .0064 .0067 .0073 .0073 .090 .082 .082 .010 .010 .010 .011 .0066 .035 .001 .0013 .0013 .0013 .0013 .0028 .0128 .0128 .0128 .0128 .0128 .0128	. 0.42 . 0.42 . 0.42 . 0.42 . 0.46 . 0.50 . 0.58 . 0.58 . 0.56 . 0.54 . 0.54 . 0.54 . 1.74 . 1.83 . 1.63 . 1.63 . 0.71 . 0.71 . 0.71 . 0.71 . 0.73 . 0.73 . 0.73 . 0.73 . 0.73	8 9 10 11 12 13 14 15 16 17 18 19 20 21	.021 122 140 149 259 .046 .046 .047 .055 .065 .077 .076 175 176
-2.000 -1.750 -1.500 -1.250 -1.0007506255003752501250003752501250003753753503753753503753503753503753503753503753503753503753503753503753503753503503503503503503503503503503503503503500	.060 .046 .060 .054 .059 .059 .059 .055 .066 .083 -124 -126 -174 -341 -228 -109 -034 .042 .042 .042 .042 .055	-058 -060 -060 -057 -060 -057 -065 -065 -054 -027 -058 -084 -111 -114 -135 -281 -281 -111 -073 -044 -025 -003 -011 -022 -025 -022	.065 .065 .067 .060 .060 .061 .052 .052 .055 .057 .060 .070 .081 	065 0665 0667 0668 0657 0068 0055 0052 0052 0065 0076 0080 -0082 -0082 -0082 -0044 -0097 1139 1129 1129 1085 0074	.081 .074 .075 .069 .058 .054 .064 .070 .076 .081 .076 .086 -1059 -1033 -1020 -1036 -1020	.071 .066 .065 .067 .067 .064 .067 .073 .078 .082 .082 .082	. 0.42 . 0.42 . 0.42 . 0.42 . 0.46 . 0.50 . 0.58 . 0.58 . 0.56 . 0.54 . 0.54 . 0.54 . 1.74 . 1.83 . 1.63 . 1.63 . 0.71 . 0.71 . 0.71 . 0.71 . 0.73 . 0.73 . 0.73 . 0.73 . 0.73	8 9 10 11 12 13 14 15 16 17 18 19 20 21	.021 122 140 149 259 .046 .046 .047 .055 .065 .077 .076 175 176

Table 07 Plate and Spoiler Pressure Coefficients Configuration 4 M= 1.61 R= 0.30 x 106

				Plate				Spoiler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.
				Λ= 0	00 0			
-6.000	•002	•002	•013	•004	•028	•368		1 420
-5.500	•003	•001	.012	•005	•043	•388		1 • 428 2 • 452
-5.000	*004	•000	•014	.000	•252	.399		3 • 490
-4.500	•002	002	•014	•004	•339	•406		4 •532
-4.000	•001	•000	•014	.061	•376	•411	•006	5 • 578
-3.500	•000	•000	•019	•292	•394	•410	•006	6 •599
-3.000 -2.750	•014	•074	•278	• 353	• 40 4	•410	•006	7 • 481
-2.500	•296	•253	,328	•368	• 408 • 412	•410	•091	8330
-2.250	•346	•354	•356	•379 •388	•412	•410	• 267	9331
-2.000	•359	•372	•386	• 393	•412	•410	•329 •360	10334 11338
-1.750	•385	•387	• 395	.400	416	•410 •408	•378	11338 12 .421
-1.500	•390	•394	•396	• 402	.417	• 408	•389	13 .443
-1.250	•370	•401	•401	•403	.416	•408	•397	14 • 489
-1.000	•402	•405	•404	.403	•415	.408	•402	15 •544
750	•405	•407	•400	• 403	•411	.409	• 405	16 •599
625	.404	• 406	•398	.399	•411	•409	• 402	17 .625
500	•401	• 393	•397	.400	•411	•416	•397	18 •507
375	•398	•401	•397	•400	•415	.420	•397	19 329
250	•401	•403	•399	•408	• 425	•432	•399	20330
125	0413		•412		6441		.406	21 330
•000	• 447	•449	• 444	• 445	•462	• 454	• 447	22334
• 250	328	326	333	331			327	
• 375	328	327	335	334	315		328	
•500	332	331	340	334	317		330	
• 750	336	336	342	339	319	323	337	
1.000	339	313	343	342	321	323	337	
1.500	343	336	343	315	323	323	338	1 200
1.500	332	328	343	317	326	327	329	
1.750	222	292	-•321 -•267	318	328	327	295	
2.250	-•257 -•209	243 196		311	-•329 -•327	327	256 211	
2.500	172	152	243 206	291 265	327	327 329	175	
2.750	138	119	178	228	323	329	137	
3.000	113	094	151	194	315	329	111	
3.500	074	066	100	146	284	331		
4.000	049	047	074	106	243	331		
4.500	040	035	056	076	196	336		
5.000	033	031	044	052	141	336		
5.500	039	025	035	033	098	329		and the second second
6.000	032	018	027	-•019	079	-•290		
WELL					15			
-6.000	•002	•003	•011	•001	•015 •015	•351		1 • 388 2 • 407
-5.500	•002	• 000		002	.102			2 0407
-5.500	•002	*003						
-5.000	•002	•003	•011			•386 •389		3 439
-5 • 000 -4 • 500	•002 •002 •003	•001	•011	•004	• 29.2	•389	•006	4 •478
-5.000 -4.500 -4.000	•002 •002 •003 •003	•001	•011 •011	.004 .011	•29.2 •348	•389 •392	•006	4 • 478 5 • 519
-5.000 -4.500 -4.000 -3.500	.002 .002 .003 .003	•001 •005 •003	•011 •011 •013	.004 .011 .256	•292 •348 •372	•389 •392 •395	•008	4 • 478 5 • 519 6 • 533
-5.000 -4.500 -4.000 -3.500 -3.000	.002 .002 .003 .003 .001	•001 •005 •003 •079	•011 •011 •013 •252	•004 •011 •256 •337	•29.2 •348 •372 •381	•389 •392 •395 •394	•008 •107	4 • 478 5 • 519 6 • 533 7 • 418
-5.000 -4.500 -4.000 -3.500	.002 .002 .003 .003	•001 •005 •003 •079 •249	•011 •011 •013	.004 .011 .256 .337	•29.2 •348 •372 •381 •384	•389 •392 •395 •394 •389	•008 •107 •252	4 • 478 5 • 519 6 • 533 7 • 418 8 -• 347
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750	.002 .002 .003 .003 .001 .045	•001 •005 •003 •079	•011 •011 •013 •252 •309	•004 •011 •256 •337	•29.2 •348 •372 •381	•389 •392 •395 •394	•008 •107	4 • 478 5 • 519 6 • 533 7 • 418 8 - •347
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000	.002 .003 .003 .001 .045 .222 .301 .338	.001 .005 .003 .079 .249 .309 .341	.011 .013 .252 .309 .343 .359	.004 .011 .256 .337 .353	• 29.2 • 348 • 372 • 381 • 384	•389 •392 •395 •394 •389	•008 •107 •252 •312	4 • 478 5 • 519 6 • 533 7 • 418 8 - 347 9 - 347
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250 -2.250	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346	.001 .005 .003 .079 .249 .309 .341 .357	•011 •013 •252 •309 •343 •359 •371 •379	.004 .011 .256 .337 .353 .367 .370 .377	.29.2 .348 .372 .381 .384 .385 .390 .391	.389 .392 .395 .394 .389 .389 .387 .386	•008 •107 •252 •312 •329 •347 •357	4 .478 5 .519 6 .533 7 .418 8 -347 9 -347 10 -347 11 -351 12 .388
-5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371	.001 .005 .003 .079 .249 .309 .341 .357 .369	.011 .011 .013 .252 .309 .343 .359 .371 .379	.004 .011 .256 .337 .353 .367 .370 .377 .382	.292 .348 .372 .381 .384 .385 .390 .391 .387	.389 .392 .395 .394 .389 .389 .387 .386	.008 .107 .252 .312 .329 .347 .357	4 .478 5 .519 6 .533 7 .418 8347 9347 10347 11 .388 11 .388
-5.000 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.250	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372	.001 .005 .003 .079 .249 .309 .341 .357 .369	.011 .013 .252 .309 .343 .359 .371 .379 .380	.004 .011 .256 .337 .353 .367 .370 .377 .382 .387	.292 .348 .372 .381 .384 .385 .390 .391 .387	• 389 • 392 • 395 • 394 • 389 • 387 • 386 • 382 • 379	.008 .107 .252 .312 .329 .347 .357 .367	4 .478 5 .519 6 .533 7 .418 8 .347 9 .347 10 .347 11 .351 12 .388 13 .404 14 .430
-5.000 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.500 -1.250 -1.250 -1.000	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364	.001 .005 .003 .079 .249 .309 .341 .357 .369 .375 .380	.011 .013 .252 .309 .343 .359 .371 .379 .380	.004 .011 .256 .337 .353 .367 .370 .377 .382 .387 .384	.292 .348 .372 .381 .384 .385 .390 .391 .387 .387 .380	• 389 • 392 • 395 • 394 • 389 • 387 • 386 • 382 • 379 • 378	.008 .107 .252 .312 .329 .347 .357 .367	4
-5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.500 -1.750 -1.500 -1.500 -1.750	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383	.001 .005 .003 .079 .249 .309 .341 .357 .369 .375 .380	.011 .013 .252 .309 .343 .359 .371 .379 .380 .385 .379	.004 .011 .256 .337 .353 .367 .370 .377 .382 .387 .384 .383	.29.2 .34.8 .37.2 .38.1 .38.4 .38.5 .39.0 .39.1 .38.7 .38.7 .38.0 .37.9 .37.5	.389 .392 .395 .394 .389 .387 .386 .382 .379 .379	.008 .107 .252 .312 .329 .347 .357 .367 .371	4 .478 5 .519 6 .533 7 .418 8 -347 9 -347 11 -351 12 .388 13 .404 14 .430 15 .466 16 .501
-5.000 -4.500 -4.000 -3.500 -2.750 -2.500 -2.2500 -2.200 -1.750 -1.500 -1.250 -1.000 -7.750 -1.000 -1.750 -1.000	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381	.001 .005 .003 .079 .249 .309 .341 .357 .369 .375 .380 .386	.011 .013 .252 .309 .343 .359 .371 .379 .385 .379 .385	*004 *011 *256 *337 *353 *367 *377 *382 *387 *384 *383 *380 *374	.292 .348 .372 .381 .385 .390 .391 .387 .387 .380 .379 .375	.389 .395 .395 .389 .389 .389 .386 .382 .379 .378 .378	.008 .107 .252 .312 .329 .347 .357 .367 .371 .376	4 .478 5 .519 6 .533 7 .418 8 -347 9 -347 10 -347 11 -351 12 .388 13 .404 14 .430 15 .466 16 .501 17 .511
-5,000 -4,500 -4,500 -3,500 -2,750 -2,250 -2,250 -2,000 -1,750 -1,500 -1	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .379	.001 .005 .003 .079 .249 .309 .341 .357 .369 .375 .386 .383 .378	0011 0013 252 309 343 359 371 379 380 385 379 374 369	.004 .011 .256 .337 .353 .367 .370 .377 .382 .387 .384 .383 .390 .374	292 348 372 381 384 385 390 391 387 387 387 375	.389 .392 .395 .394 .389 .387 .386 .382 .379 .378 .379 .388	.008 .107 .252 .312 .329 .347 .357 .367 .371 .376 .376	4 478 5 519 6 533 7 418 8 -347 9 -347 10 -347 11 -388 13 404 14 430 15 466 16 501 17 511 18 397
-5.000 -4.000 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.250	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .379	*001 *003 *079 *249 *309 *341 *357 *369 *375 *380 *386 *388 *378 *378	*011 *013 *252 *309 *343 *359 *371 *379 *380 *385 *379 *374 *389 *369 *370	.004 .011 .256 .337 .359 .367 .377 .382 .384 .383 .384 .383 .374 .373	292 348 372 381 385 390 391 387 380 379 375 375	. 389 . 392 . 395 . 394 . 389 . 387 . 386 . 382 . 379 . 378 . 379 . 385 . 385 . 385 . 385	.008 .107 .252 .312 .329 .347 .357 .371 .376 .376 .374 .371	4 .478 5 .519 6 .533 7 .418 8347 9347 10351 12 .388 13 .404 14 .430 15 .466 16 .501 17 .511 18 .397 19330
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.250 -2.250 -1.500 -1.500 -1.500 -1.500 -1.500 -3.750 -6.25 -5.000 -3.375 -2.250	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .379 .379	.001 .005 .003 .079 .249 .309 .341 .357 .369 .375 .386 .383 .378	*011 *013 *252 *309 *343 *359 *371 *385 *385 *379 *374 *369 *369 *370	.004 .011 .256 .337 .353 .367 .370 .377 .382 .387 .384 .383 .390 .374	292 348 372 381 384 385 390 391 287 387 375 375 375	.389 .392 .395 .394 .389 .387 .386 .382 .379 .378 .379 .388	.008 .107 .252 .312 .329 .347 .357 .367 .376 .376 .376 .374 .371	4 .478 5 .519 6 .533 7 .418 8 -347 9 -347 10 -351 12 .388 13 .404 14 .430 15 .466 16 .501 17 .511 18 .397 19 -330 20 -331
-5.000 -4.000 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.250	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .379	*001 *003 *079 *249 *309 *341 *357 *369 *375 *380 *386 *388 *378 *378	*011 *013 *252 *309 *343 *359 *371 *379 *380 *385 *379 *374 *389 *369 *370	.004 .011 .256 .337 .359 .367 .377 .382 .384 .383 .384 .383 .374 .373	292 348 372 381 385 390 391 387 380 379 375 375	. 389 . 392 . 395 . 394 . 389 . 387 . 386 . 382 . 379 . 378 . 379 . 385 . 385 . 385 . 385	.008 .107 .252 .312 .329 .347 .357 .371 .376 .376 .374 .371	4 .478 5 .519 6 .533 7 .418 8347 9347 10351 12 .388 13 .404 14 .430 15 .466 16 .501 17 .511 18 .397 19330
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.250 -1.750 -6.25 -5.500 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -3.500 -3.75 -3.500	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .376 .372 .374 .372	*001 *005 *003 *079 *249 *309 *341 *357 *369 *375 *386 *388 *388 *378 *378 *375 *375 *375	*011 *013 *013 *252 *309 *343 *359 *379 *380 *385 *379 *374 *369 *370 *370 *384 *414	.004 .011 .256 .337 .353 .367 .370 .370 .377 .382 .383 .383 .374 .375 .384	292 348 372 381 -384 -385 -390 -391 -387 -387 -375 -375 -375 -375 -381 -389 -402	. 389 . 392 . 395 . 394 . 389 . 389 . 386 . 382 . 379 . 378 . 382 . 382 . 383 . 383 . 402	*008 *107 *252 *312 *329 *347 *357 *371 *376 *374 *371 *373 *374 *374 *381 *408	4 .478 5 .519 6 .533 7 .418 8 .347 9 .347 10 .347 11 .351 12 .388 13 .404 14 .430 15 .466 16 .501 17 .511 18 .397 19 -330 20 -331 21 -331
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -3.750 -3.250 -3.250 -3.250 -3.250 -3.250 -3.250 -3.250 -3.250 -3.250 -3.250	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .379 .376 .376 .372 .372	*001 *005 *003 *079 *249 *309 *341 *357 *369 *375 *380 *383 *378 *363 *375 *421	*011 *013 *013 *252 *309 *343 *359 *371 *379 *385 *377 *369 *370 *384 *414	.004 .011 .256 .337 .353 .367 .370 .377 .382 .383 .384 .383 .374 .373 .375 .384	292 348 372 381 384 385 2990 391 387 387 375 375 375 381 389 402	. 389 . 392 . 395 . 394 . 389 . 389 . 386 . 382 . 379 . 378 . 382 . 382 . 383 . 383 . 402	*008 *107 *252 *312 *329 *347 *357 *371 *376 *374 *374 *374 *373 *374 *381 *408	4 .478 5 .519 6 .533 7 .418 8 .347 9 .347 10 .347 11 .351 12 .388 13 .404 14 .430 15 .466 16 .501 17 .511 18 .397 19 -330 20 -331 21 -331
-5.000 -4.500 -4.000 -3.500 -3.500 -2.500 -2.500 -2.250 -2.250 -1.500 -1.500 -1.550 -1.500 -1.550 -1.250	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .376 .372 .374 .372	001 005 003 0079 249 309 341 357 386 388 388 378 363 374 375	*011 *013 *013 *252 *309 *343 *359 *379 *385 *379 *385 *379 *369 *370 *384 *414	.004 .011 .256 .337 .353 .367 .370 .370 .377 .382 .383 .380 .374 .375 .384	- 292 - 348 - 372 - 381 - 384 - 385 - 390 - 391 - 387 - 380 - 375 - 375 - 375 - 381 - 389 - 420	. 389 . 392 . 395 . 394 . 389 . 389 . 386 . 382 . 379 . 378 . 382 . 382 . 383 . 383 . 402	*008 *107 *252 *312 *329 *347 *357 *371 *376 *376 *371 *373 *374 *381 *408	4 .478 5 .519 6 .533 7 .418 8 .347 9 .347 10 .347 11 .351 12 .388 13 .404 14 .430 15 .466 16 .501 17 .511 18 .397 19 .330 20 .331 21 .331
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.500 -3.750 -3.250	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .379 .376 .372 .374 .388 .421	**001 **005 **003 **079 **249 **309 **341 **357 **369 **380 **388 **378 **363 **374 **375 **421 ***338 ***3374	*011 *013 *013 *252 *309 *343 *359 *371 *379 *380 *385 *379 *374 *369 *370 *370 *370 *370 *344	.004 .011 .256 .337 .353 .367 .370 .377 .382 .383 .384 .383 .374 .373 .375 .384 .420	292 348 372 381 384 385 390 391 387 387 375 375 375 375 381 389 420	. 389 . 392 . 395 . 394 . 389 . 387 . 386 . 392 . 379 . 382 . 379 . 382 . 379 . 385 . 388 . 393 . 402	*008 *107 *252 *312 *329 *347 *357 *371 *374 *374 *374 *374 *373 *374 *374 *373 *374 *373 *374 *373 *374 *373 *374 *373 *374 *373 *374 *373 *374 *373 *374 *373 *373	4 .478 5 .519 6 .533 7 .418 8 .347 9 .347 10 .347 11 .351 12 .388 13 .404 14 .430 15 .466 16 .501 17 .511 18 .397 19 .330 20 .331 21 .331
-5,000 -4,000 -3,500 -3,500 -3,500 -2,500 -2,250 -2,250 -2,250 -1,750 -1,250 -1	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .379 .376 .372 .374 .374 .374 .375 .374	**O01 **O05 **O03 **O079 **249 **309 **341 **357 **386 **388 **378 **363 **374 **375 **421 ***-3386 ***-3387 ***-3387 ***-3387 ***363 **375	**O11 **O13 **O13 **252 **309 **343 **359 **377 **380 **385 **377 **369 **370 **370 **370 **384 **414 **3442 **3347 **3347	.004 .011 .256 .337 .353 .367 .370 .377 .882 .883 .384 .374 .375 .384 .4373 .384	- 292 - 348 - 372 - 381 - 384 - 385 - 390 - 391 - 387 - 380 - 375 - 375 - 381 - 402 - 420 329 329 329 329	.389 .392 .395 .394 .389 .387 .386 .382 .379 .378 .378 .378 .378 .385 .382 .393 .402	*008 *107 *252 *312 *329 *347 *357 *371 *376 *371 *373 *374 *381 *408 *408	4 .478 5 .519 6 .533 7 .418 8 .347 9 .347 10 .347 11 .351 12 .388 13 .404 14 .430 15 .466 16 .501 17 .511 18 .397 19 .330 20 .331 21 .331
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -3.500 -2.250 -2.250 -2.250 -1.500 -1.500 -1.500 -1.500 -3.75 -2.50 -1.2	.002 .003 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .379 .376 .372 .374 .372 .374 .372 .374 .375 .371 .375 .376	**001 **005 **003 **079 **249 **309 **341 **357 **369 **375 **386 **388 **378 **363 **374 **375 **421 ***236 ***338 ***3374 **3375 ***21336 ***3388 ***3374 ***3375 ***21336 ***3388 ***3374 ***3375 ***3388 ***3375 *	*011 *013 *013 *252 *309 *343 *359 *371 *379 *380 *385 *379 *374 *369 *370 *370 *370 *370 *344	.004 .011 .256 .337 .353 .367 .370 .377 .387 .383 .384 .383 .374 .373 .375 .384 .420	- 292 - 348 - 372 - 381 - 384 - 385 - 390 - 391 - 387 - 387 - 375 - 375 - 375 - 375 - 375 - 375 - 375 - 381 - 389 - 402 - 420	. 389 . 392 . 395 . 394 . 389 . 387 . 386 . 382 . 379 . 378 . 379 . 388 . 393 . 402 . 421	*008 *107 *252 *312 *329 *347 *357 *371 *376 *374 *373 *374 *373 *374 *373 *374 *373 *374 *373 *373	4 .478 5 .519 6 .533 7 .418 8 .347 9 .347 10 .347 11 .351 12 .388 13 .404 14 .430 15 .466 16 .501 17 .511 18 .397 19 -330 20 -331 21 -331
-5,000 -4,000 -3,500 -3,500 -3,500 -2,500 -2,500 -2,250 -2,250 -1,500	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .379 .376 .372 .374 .388 .421	*** 001 ********************************	**O11 **O13 **252 **309 **343 **359 **371 **379 **385 **377 **369 **370 **370 **370 **370 **370 **374 **414	.004 .011 .256 .337 .353 .367 .370 .377 .387 .383 .380 .374 .375 .384 .420 .337 .334 .339 .339	- 292 - 348 - 372 - 381 - 384 - 385 - 390 - 391 - 387 - 380 - 375 - 375 - 381 - 402 - 420 329 32	- 329 - 329 - 329 - 329 - 329 - 329 - 329 - 329 - 329 - 329	*008 *107 *252 *312 *329 *347 *357 *371 *376 *371 *373 *374 *381 *408 *408	4 .478 5 .519 6 .533 7 .418 8 .347 9 .347 10 .347 11 .351 12 .388 13 .404 14 .430 15 .466 16 .501 17 .511 18 .397 19 -330 20 -331 21 -331
-5.000 -4.500 -4.000 -3.500 -3.500 -3.500 -2.500 -2.250 -2.250 -1.500 -1.500 -1.500 -1.500 -1.250	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .379 .376 .372 .374 .372 .374 .372 .374 .373 .374 .375 .376 .377 .378	*** 001 **** 005 **** 003 **** 079 *** 249 *** 309 *** 341 *** 357 *** 386 *** 388 *** 378 *** 363 *** 374 *** 375 *** 421 *** 336 *** 337 *** 337 *** 338 *** 337 *** 337 *** 338	**O11 **O13	.004 .011 .256 .337 .353 .367 .370 .377 .387 .389 .389 .374 .373 .375 .384 .420 .332 .334 .339 .339 .339	- 292 - 348 - 372 - 381 - 384 - 385 - 390 - 391 - 387 - 387 - 375 - 375 - 375 - 375 - 375 - 375 - 375 - 381 - 389 - 402 - 420 229 329	. 389 . 392 . 395 . 394 . 389 . 387 . 386 . 382 . 379 . 378 . 378 . 385 . 385 . 385 . 402 . 421	*008 *107 *252 *312 *329 *347 *357 *371 *376 *374 *373 *374 *373 *374 *373 *374 *373 *374 *373 *373	4 .478 5 .519 6 .533 7 .418 8 .347 9 .347 10 .347 11 .351 12 .388 13 .404 14 .430 15 .466 16 .501 17 .511 18 .397 19 -330 20 -331 21 -331
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.250	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .379 .376 .372 .374 .388 .421	**O01 **O05 **O05 **O079 **249 **309 **341 **357 **386 **388 **388 **388 **378 **363 **374 **375 **421 **2336 **-3387 **-335 **-316 **-3387 **-335 **-316 **-3341 **-3305 **-3341 **-3305 **-3341 **-3305 **-3341 **-3305 **-3341 **-3305 **-3341 **-3305 **-3341 **-3305 **-3341 **-3305 **-3298	**O11 **O13 **O12 **O13	.004 .011 .256 .337 .353 .367 .370 .377 .382 .383 .380 .374 .373 .375 .384 .383 .384 .339 .331	- 292 - 348 - 372 - 381 - 384 - 385 - 390 - 391 - 387 - 380 - 375 - 375 - 375 - 375 - 375 - 381 - 389 - 420 - 420 229 3	- 389 - 392 - 395 - 394 - 389 - 388 - 387 - 388 - 378 - 378 - 378 - 378 - 378 - 378 - 378 - 378 - 378 - 385 - 386 - 382 - 378 -	**008	4 .478 5 .519 6 .533 7 .418 8 .347 9 .347 10 .347 11 .351 12 .388 13 .404 14 .430 15 .466 16 .501 17 .511 18 .397 19 -330 20 -331 21 -331
-5,000 -4,000 -3,500 -3,500 -2,500 -2,250 -2,250 -2,250 -1	.002 .002 .003 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .379 .376 .372 .374 .372 .374 .372 .374 .375 .377 .378 .379 .376 .371 .372 .374 .375 .376 .377 .378 .379 .371 .372 .374 .375 .376 .377 .378 .379 .376 .377 .378 .379 .379 .376 .379 .379 .379 .379 .379 .379 .379 .379	**O01 **O05 **O03 **O79 **249 **309 **341 **357 **386 **388 **363 **374 **375 **421 ***336 ***3374 **375 **421 ***336 ***3374 **336 ***36 ***36 ***36 ***36 ***36 ***36 ***36 ***36 ***36 ***36 ***36	**O11 **O13	.004 .011 .256 .337 .553 .267 .370 .377 .387 .389 .389 .374 .375 .384 .375 .384 .375 .384 .375 .387 .373 .373 .373 .373 .373 .373 .373	-292 -348 -372 -381 -384 -385 -390 -391 -387 -387 -387 -375 -375 -375 -381 -389 -402 -420 -329 -329 -329 -329 -329 -329 -329 -329	. 389 . 392 . 395 . 394 . 389 . 387 . 386 . 382 . 379 . 378 . 379 . 385 . 385 . 383 . 402 . 421	*008 *107 *252 *312 *329 *347 *357 *371 *376 *371 *374 *371 *373 *374 *371 *373 *374 *371 *373 *374 *371 *371 *371 *371 *371 *371 *371 *371	4 .478 5 .519 6 .533 7 .418 8 .347 9 .347 10 .347 11 .351 12 .388 13 .404 14 .430 15 .466 16 .501 17 .511 18 .397 19 -330 20 -331 21 -331
-5,000 -4,000 -3,500 -3,500 -3,500 -2,500 -2,500 -2,250 -2,250 -1,500	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .379 .376 .372 .374 .372 .374 .372 .335 .331 .335 .335 .335 .336 .336 .336 .337 .337 .337 .338 .3421	.001 .005 .003 .079 .249 .309 .341 .357 .369 .375 .380 .383 .378 .363 .374 .375 .421 .336 .337 .337 .336 .337 .337	**O11 **O13 **O12 **O13	.004 .011 .256 .337 .353 .367 .370 .377 .382 .383 .380 .374 .373 .375 .384 .383 .384 .339 .331	- 292 - 348 - 372 - 381 - 384 - 385 - 390 - 391 - 387 - 380 - 375 - 375 - 375 - 375 - 375 - 381 - 389 - 420 - 420 229 3	- 389 - 392 - 395 - 394 - 389 - 388 - 387 - 388 - 378 - 378 - 378 - 378 - 378 - 378 - 378 - 378 - 378 - 385 - 386 - 382 - 378 -	**008	4 .478 5 .519 6 .533 7 .418 8 .347 9 .347 10 .347 11 .351 12 .388 13 .404 14 .430 15 .466 16 .501 17 .511 18 .397 19 -330 20 -331 21 -331
-5,000 -4,000 -3,500 -3,500 -3,500 -2,250 -2,250 -2,250 -1,750 -1,250 -1	.002 .002 .003 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .379 .376 .372 .374 .372 .374 .372 .374 .375 .377 .378 .379 .376 .371 .372 .374 .375 .376 .377 .378 .379 .371 .372 .374 .375 .376 .377 .378 .379 .376 .377 .378 .379 .379 .376 .379 .379 .379 .379 .379 .379 .379 .379	**001 **005 **003 **007 **249 **309 **341 **357 **386 **388 **378 **375 **386 **383 **374 **375 **421 ***336 ***338 ****338 ****338 ****338 ****338 ****338 ****338 ****338 ****338 ****	**O11 **O13	.004 .011 .256 .337 .553 .367 .370 .377 .387 .383 .383 .374 .375 .384 .375 .384 .375 .384 .375 .381 .375 .381 .331 .331 .331 .331 .331	-292 -348 -372 -381 -384 -385 -390 -391 -387 -380 -375 -375 -375 -375 -375 -329 -329 -329 -329 -329 -329 -329 -329	- 389 - 392 - 395 - 389 - 389 - 387 - 386 - 382 - 379 - 385 - 388 - 393 - 402 - 421 - 329 -	*008 *107 *252 *312 *329 *347 *357 *371 *376 *371 *373 *374 *373 *374 *381 *408 *408 *327 *332 *335 *335 *335 *335 *335 *335 *335	4 .478 5 .519 6 .533 7 .418 8 .347 9 .347 10 .347 11 .351 12 .388 13 .404 14 .430 15 .466 16 .501 17 .511 18 .397 19 -330 20 -331 21 -331
-5,000 -4,000 -3,500 -3,500 -3,500 -2,250 -2,250 -2,250 -1,750 -1,250 -1	.002 .002 .003 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .379 .376 .372 .374 .388 .421 .335 .335 .335 .335 .335 .335 .335 .33	*** 001 **** 005 **** 003 **** 079 *** 249 *** 309 *** 341 *** 375 *** 380 *** 388 *** 388 *** 388 *** 378 *** 363 *** 374 *** 375 *** 421 *** 336 *** 337 ***	**Oll	.004 .011 .256 .357 .357 .377 .370 .377 .382 .383 .383 .384 .373 .375 .384 .420 .337 .337 .331 .331 .331 .331 .331 .331	-292 -348 -372 -381 -384 -385 -390 -391 -387 -387 -3880 -375 -375 -375 -381 -389 -402 -420 -329 -329 -329 -329 -329 -329 -329 -329	- 389 - 392 - 395 - 394 - 389 - 387 - 386 - 382 - 379 - 382 - 388 - 393 - 402 - 421 - 329 - 329	**008	4
-5,000 -4,000 -3,500 -3,500 -2,500 -2,500 -2,250 -2,250 -1,750 -1,250 -1,750 -1,250 -1	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .376 .377 .372 .374 .388 .421 -335 -335 -335 -341 -341 -325 -240 -159	**001 **005 **003 **007 **249 **309 **341 **357 **386 **388 **378 **375 **386 **383 **374 **375 **421 ***336 ***338 ****338 ****338 ****338 ****338 ****338 ****338 ****338 ****338 ****	**Oll	.004 .011 .256 .337 .553 .367 .370 .377 .387 .383 .383 .374 .375 .384 .375 .384 .375 .384 .375 .381 .375 .381 .331 .331 .331 .331 .331	- 329 - 329 - 375 - 381 - 384 - 385 - 390 - 391 - 387 - 387 - 375 - 375 - 375 - 375 - 375 - 375 - 329 - 329	- 389 - 392 - 395 - 394 - 389 - 387 - 386 - 382 - 379 - 388 - 393 - 402 - 421 - 329 - 329	.008 .107 .252 .312 .329 .347 .357 .371 .376 .374 .371 .373 .374 .381 .408 -327 -332 -335 -339 -1292 -1292 -1292 -1292	4
-5,000 -4,000 -3,500 -3,500 -2,500 -2,250 -2,250 -2,250 -1	.002 .003 .003 .003 .001 .025 .338 .346 .371 .372 .364 .383 .381 .376 .372 .374 .372 .374 .388 .421 .335 .335 .335 .335 .335 .335 .335 .33	*** 001 **** 005 **** 003 **** 007 *** 249 *** 309 *** 341 *** 375 *** 386 *** 388 *** 378 *** 378 *** 375 *** 421 *** 336 *** 337 *** 337 ***	**Oll	.004 .011 .256 .337 .353 .367 .370 .377 .382 .383 .383 .374 .375 .384 .375 .384 .375 .384 .375 .381 .375 .381 .375 .381 .381 .381 .381 .381 .381 .381 .381	-292 -348 -372 -381 -384 -385 -390 -391 -387 -380 -375 -375 -375 -375 -375 -375 -329 -329 -329 -329 -329 -329 -329 -329	- 389 - 392 - 395 - 394 - 389 - 387 - 386 - 382 - 379 - 382 - 388 - 393 - 402 - 421 - 329 - 329	.008 .107 .252 .312 .329 .347 .357 .371 .376 .374 .371 .373 .374 .381 .408 -327 -332 -335 -339 -1292 -1292 -1292 -1292	4
-5,000 -4,000 -3,500 -3,500 -2,750 -2,250 -2,250 -1,750 -1,250 -1	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .374 .374 .377 .374 .378 .379 .376 .371 .379 .374 .371 .372 .374 .372 .374 .335 .335 .331 .341 .341 .341 .341 .341 .341 .341	*** 001 **** 005 **** 003 **** 079 *** 249 *** 309 *** 341 *** 357 *** 386 *** 383 *** 378 *** 363 *** 374 *** 375 *** 421 *** 336 *** 337 ***	0011 0013 2013 2013 2013 2013 2013 2013	.004 .011 .256 .337 .353 .367 .370 .377 .387 .387 .384 .393 .300 .274 .373 .384 .420 .332 .337 .334 .339 .331 .331 .331 .331 .331 .331 .331	- 292 - 348 - 372 - 381 - 384 - 385 - 390 - 391 - 387 - 387 - 375 - 375 - 375 - 375 - 375 - 375 - 375 - 375 - 329 - 327 -	. 389 . 392 . 395 . 394 . 389 . 387 . 386 . 382 . 379 . 378 . 379 . 385 . 385 . 385 . 402 . 421	.008 .107 .252 .312 .329 .347 .357 .371 .376 .374 .371 .373 .374 .381 .408 -327 -332 -335 -339 -1292 -1292 -1292 -1292	4
-5,000 -4,000 -3,500 -3,500 -3,500 -2,500 -2,500 -2,250 -1	.002 .003 .003 .003 .003 .0045 .222 .301 .338 .346 .371 .372 .364 .383 .381 .379 .376 .372 .374 .372 .374 .373 .374 .374 .374 .374 .374 .374	*** 001 **** 005 **** 003 **** 007 *** 249 *** 341 *** 357 *** 386 *** 388 *** 388 *** 388 *** 388 *** 378 *** 363 *** 375 *** 421 *** 336 *** 337 *** 337 ***	0011 0013 2052 3099 2343 2559 2379 4380 3855 2379 2374 2369 2374 2369 2370 2370 2384 4114 2345 2347 2345 2347 2345 2347 2346 2347 2346 2347 2346 2347 2346 2369 2370 2384 2387 2388	.004 .011 .256 .337 .353 .367 .377 .387 .383 .380 .374 .373 .375 .384 .420 .337 .339 .339 .339 .339 .331 .331 .331 .331	- 292 - 348 - 372 - 381 - 384 - 385 - 390 - 391 - 387 - 380 - 375 - 375 - 375 - 375 - 381 - 329 - 328 - 316	- 389 - 392 - 395 - 394 - 389 - 387 - 388 - 379 - 382 - 378 - 378 - 378 - 378 - 378 - 378 - 385 - 388 - 393 - 402 - 421 - 421 - 529 - 329 -	.008 .107 .252 .312 .329 .347 .357 .371 .376 .374 .371 .373 .374 .381 .408 -327 -332 -335 -339 -1292 -1292 -1292 -1292	4
-5.000 -4.500 -4.000 -3.500 -3.500 -3.500 -2.250 -2.250 -2.250 -1	.002 .002 .003 .003 .001 .045 .222 .301 .338 .346 .371 .372 .374 .374 .377 .374 .378 .379 .376 .371 .379 .374 .371 .372 .374 .372 .374 .335 .335 .331 .341 .341 .341 .341 .341 .341 .341	*** 001 **** 005 **** 003 **** 079 *** 249 *** 309 *** 341 *** 357 *** 386 *** 383 *** 378 *** 363 *** 374 *** 375 *** 421 *** 336 *** 337 ***	0011 0013 2013 2013 2013 2013 2013 2013	.004 .011 .256 .337 .353 .367 .370 .377 .387 .387 .384 .393 .300 .274 .373 .384 .420 .332 .337 .334 .339 .331 .331 .331 .331 .331 .331 .331	- 292 - 348 - 372 - 381 - 384 - 385 - 390 - 391 - 387 - 387 - 389 - 375 - 375 - 375 - 375 - 375 - 375 - 375 - 329	. 389 . 392 . 395 . 394 . 389 . 387 . 386 . 382 . 379 . 378 . 379 . 385 . 385 . 385 . 402 . 421	.008 .107 .252 .312 .329 .347 .357 .371 .376 .374 .371 .373 .374 .381 .408 -327 -332 -335 -339 -1292 -1292 -1292 -1292	4

C

Table 07 Continued

Plate and Spoiler Pressure Coefficients

Configuration 4 M=1.61 $R=0.30 \times 10^6$

Plate Spoiler Row O Row I x, in. Row 3 Row 4 Row 6 Row 7 Orifice Row 9 No. Λ= 30 -6.000 -5.500 -5.000 -4.500 -4.000 .005 .004 .003 .009 -.000 •020 .310 • 334 • 355 • 382 • 402 .001 .008 ·102 .382 -.005 .005 .005 .000 .003 .010 .148 .353 .365 .008 .159 .294 .362 .072 .401 •243 •291 •302 .300 .311 .319 ·322 -3.000 .230 .352 .312 .253 -2.750 -2.500 .276 .303 .284 -.323 .321 .336 .295 .304 -. 323 •321 •321 •317 •312 •317 •321 .312 -. 327 .313 .313 .329 .289 -2.000 -1.750 -1.500 •313 •312 •309 •307 •323 . 284 .358 •314 •296 •313 13 .314 .311 .310 .285 .329 .367 ·307 ·298 ·294 •285 •288 •292 •295 -1.250 •311 .306 .301 -.750 -.625 .308 .305 .337 16 .424 .305 .291 ·294 .303 .301 .338 •306 •314 •319 295 .280 •338 .289 .305 18 19 20 21 22 -.375 -.250 -.125 •301 •302 •310 .300 ·289 •296 .308 ·340 -.304 .326 -.304 .342 .342 .332 .337 .349 .345 .363 -.305 •250 •375 •500 -.312 -.315 -.320 -.313 -.321 -.313 -.304 -.313 -.314 -.317 -.300 -.323 -.324 -.323 -.327 -.312 -.314 -.313 -.318 -.297 -.304 -.304 -.304 -.297 -.297 -.297 .750 1.000 1.250 1.500 -.322 -.301 -.301 -.301 -.304 -.329 -.312 -.321 -.311 -.324 -.293 -.297 -.306 -.293 -.301 -.323 -.206 -. 282 -.249 -.271 -.291 -.297 -.297 -.258 2 • 250 2 • 500 2 • 750 -.191 -.157 -.128 -.297 -.297 -.297 -.214 -. 262 -.280 -.222 -.192 -.180 -.153 -.223 -.200 -.258 -.241 -.297 -.161 -.297 -.106 -.074 -.128 -.178 -.216 -.297 -.142 -.178 -.128 -.110 -.084 -.297 -.297 3.500 -.085 4.000 -.049 -.060 -.044 -.027 -.104 -.217 -.184 -.285 -.020 -.070 -.083 -.281 -.069 -.159 -.275 -.268 .000 45° . A = -6.000 -5.500 .003 .011 .004 .020 .041 · 225 -5.000 -4.500 -4.000 -3.500 .007 •001 •002 •005 .010 .011 -.004 .004 .060 ·019 ·182 ·299 •334 •344 •340 · 293 · 355 · 413 .005 .006 •326 •327 •329 .084 .299 ·154 .254 .227 . 432 -3.000 •248 •279 •284 •249 .253 .247 .298 -3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 .303 ·298 .321 .212 .264 -. 322 ·288 .303 .292 .202 .260 10 -. 317 .291 •301 •303 ·304 ·276 ·190 · 256 -.303 .207 .217 ·288 ·293 .268 .288 .223 .186 .248 13 • 240 • 265 • 280 -1.250 .248 .265 .236 .203 .188 14 15 16 17 -1.000 -.750 -.625 •243 •199 •165 •170 •244 •198 •179 ·197 •189 •186 .240 .170 .187 .223 . 220 . 267 -.500 -.375 -.250 -.125 •144 •167 •171 •165 -•304 .162 .171 .193 .231 .213 18 •161 •170 •213 •163 •168 ·175 .203 20 -.321 ·213 .267 .204 21 -. 319 .300 . 299 .000 .300 .306 .304 .231 •250 •375 •500 -.320 -.312 -.313 -.304 -.304 -.320 -.321 -.324 -.333 -.331 -.316 -.299 -.309 -.311 -.311 -.296 -.307 -.269 -.255 .750 1.000 1.250 -.305 -.286 -.309 -.278 -.247 -.269 -.241 -.229 -.229 -.274 -.257 1.500 1.750 2.000 2.250 -.320 -.339 -.341 -.354 -.288 -.243 -.220 -.179 - . 242 -.288 -.371 -.346 -.160 -.154 -.244 -.250 -.317 -.303 -.253 -.215 -.155 - . 244 2.500 2.750 3.000 -.305 -.259 -.212 -.260 -.256 -.245 -. 295 -.286 -.218 -.224 -.170 -.221 -.228 -.211 -.268 -.234 -.267 -.251 -.231 -.270 -.193 -.109 .005 .098 -.201 -.163 -.127 -.219 -.192 -.167 -.242 -.234 -.208 3.500 -.156 -.283 4.000 4.500 5.000 -.240 .056 .092 -.085 -.143 -.180 -.280 •100 •070 -.041 -.122 -.286 -.287 -.150 -.126

Table 07 Concluded
Plate and Spoiler Pressure Coefficients

Configuration 4 M= 1.61 R= 0.30 x106

				Plate				Spo	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	60 °				
-6.000	•005	•001	•011	•000	•016 •017	•020 •134		1	•195
-5.500 -5.000	•005	•001	•009	004	•017 •015			1 2	• 195 • 230
-4.500	•004	•001	•011	.001	•055	•220 •237		3 4	• 257 • 269
-4.000	•005	•007	•010	.011	•167	• 245	.110	5	• 251
-3.500	•053	•027	•051	•111	•213	•238	•150	6	.200
-3.000 -2.750	•131 •158	•123 •167	•147 •172	•181	•227	•213	•164	7	• 059
-2.500	•173	•178	190	•192 •203	•227 •227	•193 •179	• 170 • 176	8 9	~• 265 ~• 280
-2.250	•192	•192	•197	.205	•220	.162	.180	10	290
-2.000	•190	•196	•204	•206	•225	•152	.180	11	~.310
-1.750 -1.500	.206	•204	•209 •205	•211	•218 •205	•151 •151	•179	12	•107
-1.250	•179	•206	•212	• 206	•176	•151	•180 •178	13	•114 •138
-1.000	•204	•209	•202	•190	•155	.160	.169	15	.165
-•750 -•625	•191	•194 •170	•173	•148	•147	•171	• 177	16	•179
500	145	•131	•148 •127	•131 •127	•146 •150	•172 •177	•171 •168	17	•154
375	•120	•129	•120	•131	.158	.186	• 168	19	268
250	•127	•128	•128	•146	•173	•195	• 156	20	~.282
-•125 •000	•159 •215	•217	•160	•212	192	221	•134	21	~. 282
			•213	• 212	•223	•221	•133	22	281
• 250 • 375	-•266 -•279	255 263	-•257 -•252	247	=,222		267		
•500	294	276	252 267	242	223 214		280 284		
• 750	283	266	253	233	202	~.196	270		
1.000	331	268	258	218	195	~.180	260		
1.250	-•378 -•350	346 346	328 302	215 252	175	~.159	256		
1.750	254	346	317	252	165 170	~•136 ~•123	225 197		
2.000	393	353	308	217	200	~.118	227		
2 • 250	358	399	347	215	208	~.117	320		
2.500	-•173 -•005	323 167	-•390 -•375	208 213	200 191	~•120 ~•169	257 248		
3.000	•037	012	309	237	192	~.234	206		
3.500	•041	•046	026	296	183	259			
4.000	•026	• 044	•061	262	225	178			
4 • 500 5 • 000	•022	•034 •024	•054 •044	088	301 365	~.168 ~.171			
5.500	•011	•024	•036	.125	364	150			
6.000	•011	•022	•034	•100	342	~•143			
				Λ=	75°			Mark - H	
-6.000 -5.500	•010 •011	•001	•011 •008	.001	•015 •019	.068 .098		1 2	•035 •038
-5.000	•017	•003	•007	•000	• 045	•106		3	•036
-4.500	•037	•011	•016	•021	.080	•102		4	.030
-4.000 -3.500	•054	•039 •058	•045	•055	•093 •086	•091	• 043	5	•020
-3.000	•046	•054	.072 .068	•071	.074	•079	•038	6 7	005 072
-2.750	•048	.060	•058	.056	.068	.064	.034	8	130
-2.500	•043	•047	•055	•052	• 064	•060	•034	9	143
-2.250 -2.000	•048 •035	•044 •041	•050	•047	• 056	•055	•033	10	143
-1.750	.048	•039	•046	•047	• 056 • 055	•052 •054	•032 •032	11	157 .051
-1.500	•038	•036	•037	•045	•056	•054	•031	13	.052
-1.250 -1.000	•023	•038	•038	• 045	•056	•054	.034	14	•050
750	•041	•042	•042 •045	•046 •049	.061 .060	•056 •056	•037 •042	15	•047
625	•042	•047	•046	•049	•060	•056	•043	16	.023
500	•050	•038	•046	•049	•059	•055	•047	18	033
-•375 -•250	•046 •045	• 0 4 4	•047	• 049	• 058	•054	• 049	19	179
125	•045	•044	•044	•052	•058 •055	•054	• 050 • 054	20	197 196
•000	•054	•054	•055	•054	•062	•059	.053	22	145
		121	111	100			180		
•250	133	123	107	084	069		191		
• 250 • 375	140		107	081	047		194		
• 250 • 375 • 500	140 143	119			031	017	174		
• 250 • 375 • 500 • 750	140 143 159	-•119 -•121	105	079			184		
• 250 • 375 • 500	140 143	119		079 067 044	032 027	•004	118		
• 250 • 375 • 500 • 750 1 • 000 1 • 250 1 • 500	140 143 159 221 228 186	119 121 154 268 222	105 100 136 277	067 044 062	032 027 015	•031 •049	090		
• 250 • 375 • 500 • 750 1 • 000 1 • 250 1 • 500 1 • 750	140 143 159 221 228 186 030	119 121 154 268 222 127	105 100 136 277 206	067 044 062 074	032 027 015 010	•031 •049 •062	090 143		
• 250 • 375 • 500 • 750 1 • 000 1 • 250 1 • 500 1 • 750 2 • 000	140 143 159 221 228 186 030	119 121 154 268 222 127 047	105 100 136 277 206 107	067 044 062 074 136	032 027 015 010 031	.031 .049 .062 .062	090 143 019		
• 250 • 375 • 500 • 750 1 • 000 1 • 250 1 • 500 1 • 750 2 • 000 2 • 250	140 143 159 221 228 186 030 006	119 121 154 268 222 127	105 100 136 277 206	067 044 062 074 136	032 027 015 010	.031 .049 .062 .062	090 143 019 .053		
• 250 • 375 • 500 • 750 • 1 • 000 1 • 250 1 • 500 2 • 000 2 • 250 2 • 500 2 • 750	140 143 159 221 228 186 030 006 009 011	119121154268222127047014004	105 100 136 277 206 107 041 005	067 044 062 074 136 152 056	032 027 015 010 031 047	.031 .049 .062 .062	090 143 019		
• 250 • 375 • 500 • 750 1 • 000 1 • 250 2 • 000 2 • 250 2 • 500 2 • 750 3 • 000	140143159221228186030006009011	119121154268222127047014002002	105 100 136 277 206 107 041 005 006	067 044 062 074 136 152 056 .019	032 027 015 010 031 047 025 020	.031 .049 .062 .062 .052 .043 031	090 143 019 .053		
. 250 . 375 . 500 . 750 1 . 000 1 . 250 1 . 550 1 . 750 2 . 000 2 . 250 2 . 550 2 . 750 3 . 000 3 . 500	140143159221228186030006009011	119121154268222127047014004002006	105 100 136 277 206 107 041 005 .006	067 044 062 074 136 152 056 019 058	032 027 015 010 031 047 025 020 073	.031 .049 .062 .062 .052 .043 031 128	090 143 019 .053 .060		
• 250 • 375 • 500 • 750 1 • 000 1 • 250 2 • 000 2 • 250 2 • 500 2 • 750 3 • 000		119121154268222127047014002004002006013	105 100 136 277 206 107 041 005 .006 .006	067 044 062 074 136 152 056 .019 .058 .068	032 027 015 010 031 047 025 020 073 112 052	.031 .049 .062 .062 .052 .043 031 128 177	090 143 019 .053 .060		
.250 .375 .500 .750 1.000 1.250 1.500 1.750 2.000 2.250 2.500 2.500 2.500 3.500 4.500 4.500 5.000	1401143159221228186030006009011011007004008009		-105 -100 -136 -277 -206 -107 -005 006 006 006 005	067 044 062 074 136 152 056 .019 .058 .068 .064	032 027 015 010 031 047 025 020 073 112 052 .003 .006	.031 .049 .062 .062 .052 .043 -031 -128 -177 -115	090 143 019 .053 .060		
. 250 . 375 . 500 . 750 1.000 1.250 1.500 2.250 2.250 2.500 2.750 3.500 4.000 4.500		119121154268222127047004002004006013010	105 100 136 277 206 1107 041 005 .006 .006 .006	067 044 062 074 136 152 056 .058 .068	032 027 015 010 031 047 025 020 073 112 052	.031 .049 .062 .062 .052 .031 031 128 177 115	090 143 019 .053 .060		

Table 08 Plate and Spoiler Pressure Coefficients

				Plate				Spo	iler
1-	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	lier
x, in.	I HOW U	NOW I	ROW 5	ROW 4		Now /	How 9	Offfice IVO.	
				Λ= 4	5				
-6.000	017	010	•004	•005	•319	•385		1	· 427
-5.500	•135	•015	•048	• 243	•369	•256		2	.411
-5 • 000 -4 • 500	#267 #292	• 247	•276	•330	•353	•214		3	• 403
4.000	.303	•309 •315	•332	• 348	•302	•208		4	• 395
3.500	303		•340	• 324	•234	•214	• 282	5	• 425
3.000	265	•319 •294	•332 •278	•281 •222	•198 •180	•250	• 280 • 270	6 7	•501
2.750	259	• 321	•238	195	176	•307	• 254	8	• 300 -• 353
2.500	•228	• 245	•201	•178	.170	•355	• 242	9	
2.250	•232	• 226	•172	•162	176	•395 •435	•216	10	351 333
2.000	•153	•191	.151	•154	198	• 465	.186	11	335
1.750	168	•158	.135	•162	.222	· 491	.158	12	• 254
1.500	139	•139	124	•176	.266	•499	.134	13	• 216
1.250	•079	•151	.131	• 200	•321	•505	.116	14	•190
-1.000	135	•170	.189	• 265	•379	.505	.106	15	.194
750	.191	•211	•243	• 338	•429	•503	.104	16	• 226
625	•234	• 257	.286	•370	.445	•491	.116	17	• 276
500	•298	•303	•335	• 405	•451	• 487	.136	18	.294
375	•348	•373	•378	• 438	.455	.477	.168	19	272
250	•392	•408	•413	• 465	•457	.465	.222	20	270
125	• 431		.416		• 451		.274	21	262
•000	• 450	• 458	• 446	• 435	.451	•453	. 266	22	272
•250	361	342	357	335			274		
• 375	352	348	365	338	329		272		
•500	359	328	354	335	325		274		
•750	352	338	354	313	315	302	276		
1.000	359	234	346	313	305	292	282		
1.250	390	350	346	309	298	282	288		
1.500	402	348	357	307	290	278	280		
1.750	116	348	346	311	288	272	264		
2.000	346	334	235	302	292	270	244	*	
2 • 250	269 253	309 292	284	290	288	270	226		
2.750			251	274		264	212		
3.000	222 214	269	243 222	254	286	270	196		
3.500	160	-•236 -•184	170	238 212	282 258	-•272 -•268	190		
4.000	.041	-•184 -•135	167	212	236	268			
4.500	.097	041	149	164	206	268			
5.000	.058	•004	116	140	184	264			
5.500	050	•114	086	120	166	262			
6 0000	•035	•081	027	120	140	254			

Table 09
Plate and Spoiler Pressure Coefficients

Configuration 5 M= 1.61 R= 0.30 X 10⁶

w !=	I Row O	T 5 .	1 -	Plate				Sp	oiler
x, in.	I HOW U	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ= 4	5 °				
-6.000	006	002	•004	•004	•318				
-5.500	0147	•026	•052	• 260	•358	•370		1	. 423
-5.000	•264	• 255	•281	•325	•338	• 266		2	.413
-4.500	•290	•302	•318	• 338		•235		3	• 395
-4.000	•298	•312	•322	• 326	•291	•219		4	. 395
-3.500	•295	•311	•323	• 285	•243	•224	•273	5	• 430
-3.000	•284	•299	• 266		•206	•249	.270	6	. 497
-2.750	•270	•286	•232	• 230	•182	•320	• 264	7	• 270
-2.500	•247	•250	•203	•204	•171	•367	.251	8	361
-2.250	•221	•219	•175	•187	•175	•404	•239	9	357
-2.000	•180	•190		•171	•179	.444	.215	10	348
1.750	•165	•161	•160	•161	•196	•472	•190	11	345
1.500	•145		•144	•165	.227	•496	.165	12	• 253
1.250	•119	•145	•139	•174	•277	•509	.144	13	• 209
1.000	•148	•144	•134	•206	•327	•511	.129	14	• 185
750	195	•162	•197	*264	•387	.509	•116	15	•193
625		•214	•257	•337	•434	•502	•121		
500	•242	• 257	•302	•375	•450	•491	•127	16	• 226
375	•296	•314	•350	• 405	•454	•483	.141	17	• 281
	•349	•368	•391	• 427	• 457	•478	.174	18	• 283
250	•400	•404	•416	•442	•458	• 460	•222	19	289
-•125	•432		• 437		•448	* 400	•279	20	291
•000	• 435	• 440	• 433	• 441	•438	•436	• 269	21 22	286 286
• 250	361	- 240						22	200
•375	361	360	353	343			285		
•500	361	358	351	342	331		287		
• 750	354	358	350	338	328		287		
1.000		353	343	328	317	~.310	287		
1.250	358	325	340	325	307	300	293		
1.500	393	359	346	315	303	295	295		
1.750	406	360	343	318	301	~.294	287		
2.000	294	351	330	315	301	~.289	274		
	325	345	290	310	303	288	254		
2 • 250	281	327	282	295	307	~.285	233	1	
2.500	242	304	255	279	304	~.287	213		
2.750	214	276	239	260	300	~.286			
3.000	197	246	220	241	293	293	196		
3.500	150	188	181	213	269	285	180		
4.000	•038	132	161	186	247				
4.500	•088	058	136	161	220	286			
5.000	•062	•014	111	135		290			
5.500	•006	•091	085		190	286			
6.000	•037	•071	042	115	165	281			
	1		0072	100	143	265		1	

Table 10 Plate and Spoiler Pressure Coefficients

M= 1.61 R= 0.14 X106 Configuration 6 Plate Spoiler Row O Row I Row 3 Row 4 Row 6 Row 7 Row 9 Orifice No. x, in. Λ= 00 •554 •506 •485 •459 •425 •382 •142 •356 •380 •435 •465 •487 -6.000 -5.500 -.014 .002 •053 •088 ·152 •237 •405 •431 •459 •492 •293 -5.000 .176 .269 •330 •387 •387 ·315 ·360 ·379 •504 •534 •597 •385 •387 •393 -4.000 -3.500 •377 •194 •295 -3.000 .383 .387 .365 .467 .574 ·370 ·397 1368 -.358 . 444 .447 .496 •444 •411 •422 •434 • 425 • 457 • 489 .376 .443 -. 366 -. 364 .427 .403 -2.250 .430 .383 .397 .395 .387 .384 . 451 11 -. 370 .397 .400 .413 .463 .457 .455 .471 • 520 • 554 • 583 . 811 .460 .501 .518 .546 .565 •477 •523 •549 •579 •600 -1.000 -.750 -.625 -.500 .451 •499 .427 .591 .756 .525 .560 .595 .492 552 16 .565 .518 .538 .558 . 902 •520 •532 · 496 .578 •585 18 19 20 -.375 -.250 .627 .601 .605 .598 .613 .640 .613 .611 .688 -.372 •598 ·608 .894 .886 •622 .619 •603 .250 -.362 -.340 -.350 -.349 -.341 -4376 -.362 -.354 -.370 -.366 -.354 -.349 -.363 -.360 -.360 -.360 -.341 -.355 -.352 -.355 -.358 -.358 -.358 -.358 -.364 -.368 -.370 -.378 .375 -.350 -.360 -.235 -.313 .500 -.362 -.366 -.366 -.378 -.304 -.272 -.173 1.500 -.280 -. 268 -.342 -.370 -.366 -.334 -.324 -.318 -.307 -.362 -.362 -.358 -.354 -.366 -.362 -.366 1.750 -.074 -.235 -.203 2.250 -.162 -.174 -.211 -.179 2.500 -.149 -.133 -.149 -.293 -.366 -.223 --179 --176 --179 --147 --155 --128 --096 -.275 -.271 -.241 -.212 -.344 -.334 -.311 -.257 -.366 -.376 -.127 -4198 -.111 3.000 -.129 -.113 -.368 -.104 -.096 -.090 -.063 -.068 -.143 4.000 -.360 -.158 -.117 -.218 -.208 -.162 -.109 -.352 -.334 -.291 -.265 5.000 -.102 -.045 -.077 -.101 6.000 -.082 -.027 -.053 150 A = . . -.008 -.006 .029 .303 .372 -6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.000 • 585 • 526 • 490 • 530 -.004 .000 .072 .303 •055 •125 •225 •311 •316 •362 •384 •400 •388 •384 .160 .293 .360 .401 .388 •303 •377 •405 •407 •413 •423 •431 •362 .384 .394 . 251 .576 · 403 .407 . 407 . 427 ·324 ·332 -2.750 -2.500 -2.250 •415 •430 •450 .411 .415 .417 .425 . 463 .391 . 435 .431 -. 354 .405 .405 .413 .411 .401 • 428 • 442 • 442 •440 •443 •443 .431 .431 .427 •366 •398 •439 -. 354 -. 352 -.358 -2.000 -1.750 -1.500 •424 •454 •438 • 452 • 442 • 428 .445 .432 .419 •423 •419 •419 •441 •459 •487 . 475 .787 • 496 • 522 13 .682 .704 -1.250 -1.000 -.750 .385 •416 •416 •424 •431 •465 •494 .534 .420 .420 .419 .534 • 420 • 432 • 442 • 471 • 532 •430 •434 •438 •426 .437 .456 .491 •585 •615 •645 •667 •506 •483 •473 •520 •637 . 884 16 17 18 19 . 949 -.625 .696 -.356 -.500 -.375 -.250 • 467 •538 •587 •645 •657 •597 .548 •563 .613 .665 20 -. 356 ·827 -. 352 •603 .616 .621 .616 .000 .616 • 250 • 375 • 500 -.350 -.346 -.356 -.338 -.356 -.342 -.356 -.344 -.347 -.349 -.352 -.333 -.341 -.341 -.336 -.360 -.356 -.344 -.358 -.352 -.340 -.342 -.340 -.344 -.348 .750 -.366 -.346 -.346 -.346 -.349 -.336 -.323 -.301 -.344 -.350 -.340 -.324 1.000 -.248 -.338 -.366 1.500 -.315 -.309 -.312 -.350 -.342 2.000 2.250 2.500 -.192 -.227 -.195 -.312 -.285 -.251 -.344 -.342 -.348 -.285 -.247 -.220 -. 256 -.346 -.334 -.258 -.217 -.203 -. 203 -.326 --195 --184 --168 --131 --123 --104 --093 2.750 -.184 -.162 -.178 -.158 -.220 -.196 -.164 -.311 -.297 -.291 -.190 -.348 -.360 -.356 -.137 -.102 -.088 -.078 3.500 -.133 -.094 -.092 -.065 -.144 -.131 -.117 -.113 -.287 -.283 -.267 -+348 4.000 -.344 -.340 -.322 4.500

-.239

-.299

-.085

5.500

-.068

-.063

-.047

Table 10 Continued
Plate and Spoiler Pressure Coefficients Configuration 6 M= 1.61 R= 0.14 x 10.6

			uration 6	Plate				Cont	
x,in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	ier
× , III.	1. 11011 0	110W 1	I NOW 3		30°	NOW /	Now 9	Office No.	
				Λ=	30				
-6.000 -5.500	•012 •029	•000	•018 •123	•173 •272	•269	•316 •283		1 2	•419
-5.000	.049	•172	.280	•331	• 324 • 350	• 283		3	• 366 • 348
-4.500	•235	•313	•346	•373	•352	.243		4	. 364
-4.000	•370	•350	•364	•371	•334	.233	•281	5	.384
-3.500	•387	•358	•385	• 376	•303	.229	• 285	6	• 425
-3.000	•358	• 366	•381	• 357	•271	• 235	• 297	7	• 316
-2.750 -2.500	•358 •370	•415 •377	•346	•349 •333	• 259	•239	•356	8	326
-2.250	.387	•381	•332	• 323	•259 •245	•245 •251	•415	9	328 328
-2.000	•342	• 366	•319	•309	•247	.265	.459	11	334
-1.750	•368	• 356	•297	•307	•245	.281	. 455	12	.506
-1.500	• 346	• 336	•278	.280	•251	•305	• 443	13	• 475
-1.250	•301	•321	• 258	•277	•259	•328	• 437	14	• 471
-1.000 750	•315 •299	•301 •287	•293 •291	•275 •285	•273 •311	•368 •407	• 435	15 16	• 485 • 506
625	.301	•291	•296	•301	•336	.427	• 423	17	• 498
500	•299	• 262	•317	• 328	•366	.447	•421	18	•370
375	•327	•270	•349	•371	•411	.461	• 435	19	314
250	• 366	•368	•397	• 435	• 455	•463	.467	20	311
125	• 460		•469		• 467		•522	21	305
•000	• 452	• 452	•461	• 459	• 451	• 447	•526	22	311
• 250	332	319	312	307			318		
• 375	319	336	320	315	314		314		
•500	344	330	325	317	318	224	311		
.750 1.000	334	342	328	309	318	316 318	318		
1.250	297	-•235 -•305	323 312	320 334	320 324	318	322 316	102	
1.500	272	270	291	322	324	318	299		
1.750	072	241	264	314	326	-,316	283		
2.000	209	209	168	303	322	316	261		
2 • 250	174	182	205	287	314	311	239		
2.500	149	158	176	273	311	312	225		
2.750	129 115	-•139 -•123	165 152	255	307	314	204		
3.500	090	102	109	210	297 279	324 314	188		
4.000	063	072	099	184	255	311			
4.500	063	059	083	166	235	314			
5.000	055	129	061	140	212	318			
5.500	072 025	041 023	051 040	121 113	202	312 305			
3.1.1.0		.025	•040		45°	• > 0 >			
			1 1 1 1 1 1	Λ=	45				
-6.000	*006 *031	•010	•002	•021	•235	•277		1	• 330
-5.500 -5.000	•084	•029 •045	002 .186	• 184 • 299	• 305	•233		2 3	•307
-4.500	•129	• 203	•305	• 352	• 324 • 311	•198 •190		4	· 279
-4.000	•311	• 348	.334	.352	.271	.200	• 279	5	. 293
-3.500	•387	• 336	•344	.347	.218	.218	• 253	6	.350
-3.000	•325	• 327	• 323	•301	•178	• 253	•320	7	. 299
-2.750	•323	•381	•338	.267	.160	.281	•360	8	307
-2.500	•319	• 332	•317	• 227	•160	•297	•370	9	311
-2.250 -2.000	• 323	•317 •276	.282	•192 •168	• 158	•309	•356 •340	10	307
-1.750	•262	• 235	•201	•157	•164 •174	•322	•312	11	320 .239
-1.500	•194	•188	•153	•149	.194	•346	.291	13	.202
-1.250	•108	•162	•141	•163	•216	.356	.261	14	.180
-1.000 750	•143	•151	•163	•189	• 253	•370	•218	15	•190
625	•145 •162	•172 •209	•192 •211	•229 •256	•297 •312	•378	• 180	16	• 216
500	.188	•223	• 256	• 296	•336	•380	• 160 • 156	17	• 265 • 202
375	• 262	•229	.283	•325	.352	.374	•174	19	273
250	•305	•315	•328	.373	•362	•360	.214	20	255
125	•356		•363		•352		• 271	21	212
•000	•340	•350	• 344	• 347	•336	•340	.261	22	223
• 250	311	297	293	283			275		
• 375	297	297	288	283	295		271		
•500	305	297	285	283	289		281		
.750 1.000	319	287	269	277	279	279	261	The state of the s	
1.250	338 332	-•174 -•254	243 240	272 285	283 299	253 218	-•267 -•279		
1.500	317	256	232	297	293	198	279		
1.750	106	248	227	291	267	172	267		
2.000	276	248	152	285	251	172	257		
2 200	258	217	208	275	243	200	235		
2.250	-•231 -•246	194	195	263	249	222	210		
2.500	-0740	174	203 197	235	~.255	239	-•190 -•170	400	
2.500				214	263	275	170		
2.500 2.750 3.000	268	158 127		180	263	247			
2.500	268 149	-•127 -•111	165	180 162	263 251	247 251		A ANTONE	
2.500 2.750 3.000 3.500	268	127		180 162 148	263 251 235	247 251 277			
2.500 2.750 3.000 3.500 4.000 4.500 5.000	268 149 .020 .047	-•127 -•111	165 152	162	251	251			
2.500 2.750 3.000 3.500 4.000 4.500	268 149 .020 .047	-•127 -•111 •006	165 152 128	162 148	251 235	251 277			

Table 10 Concluded
Plate and Spoiler Pressure Coefficients

Configuration 6 M= 1.61 R= 0.14 x 10.6

				Plate		1	5 6	Spoi	ler
x,in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	60 °				
-6.000	•010	•004	•010	013	•012	•243		1 2	• 303
-5.500	•016	•008	•004	005	•127 •231	•206 •107		3	• 309
-5.000 -4.500	•055	•041	•035	.179	•255	•107		3 4	• 307
-4.000	•108	•063	•184	.221	•257	•170	• 202	5	.309
-3.500	•233	• 250	•244	.232	•237	•259	•214	6	. 289
-3.000	•250	• 254	•237	• 240	156	•334	•229	7	.018
-2.750	•254	•301	•254	237	115	•352	.245	8	263
-2.500	•248	•244	•254	.227	•113	• 360	• 257	9	273
-2.250	• 262	• 254	•258	197	•133	•358	.249	10	265
-2.000	•225	•239	•244	•136	.174	•358	• 235	11	307
-1.750	•241	• 225	•205	.120	•229	•354	.220	12	.196
-1.500	•192	•180	•131	.149	•281	•348	.208	13	.190
-1.250	•106	•131	•143	.203	•301	.340	•182	14	.194
-1.000	•139	•168	•192	.269	•311	•340	•150	15	.204
750	•225	•235	.248	•291	•320	•334	•131	16	• 216
625	•241	• 282	•259	•301	•318	•328	.138	17	.225
500	•280	• 276	•285	•309	•312	•322	.148	18	•097
375	•270	•262	•296	•312	•307	•320	.168	19	239
250	•299	•311	•291	•325	•311	•316	•182	20	216
125	•307		•291		•312		•194	21	182
•000	•336	• 344	•315	• 333	•328	•336	•190	22	186
• 250	256	250	251	235			241		
•375	256	237	261	235	241		243	100	
•500	266	252	256	243	243		239		
• 750	276	266	264	229	225	231	235		
1.000	305	205	296	240	223	216	289		
1.250	338	289	315	287	220	206	257		
1.500	291	313	328	312	222	208	229		
1.750	076	295	339	301	194	188	-0225		
2.000	160	252	256	279	214	164	271		
2 . 250	068	182	291	273	235	148	257		
2.500	•002	121	232	275	243	140	229		
2.750	•033	065	189	245	239	170	164		
3.000	•039	033	120	255	225	229	079		
3 • 500	•010	002	019	180	233	249			
4.000	002	•002	•024	103	259	265			
4.500	004	018	•032	010	267	265			
5.000	004	084	•032	.061	259	233			
5.500	096	•012	•029	.083	237	214			
6.000	•008	•002	•032	•075	216	212			
					- 0				
				Λ=	75				
	008	•000	•002	019	006	•089		1	•091
-6.000 -5.500	•008	•000 -•010	•002	019	006 002	•180		2	.091
-6.000		*000 -*010 *002	•002 •002 •010	019 019 008	006 002 .071	•180 •168			•091
-6.000 -5.500 -5.000 -4.500	.008 .020 .051	-•010 •002 •023	-•002 •010 •027	019 019 008	006 002 .071	•180 •168 •144		2 3 4	.091 .093 .081
-6.000 -5.500 -5.000 -4.500 -4.000	.008 .020 .051 .072	010 .002 .023 .045	-•002 •010 •027 •039	019 019 008 029 096	006 002 .071 .131	•180 •168 •144 •117	•059	2 3 4 5	.091 .093 .081 .073
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500	.008 .020 .051 .072	010 .002 .023 .045	-•002 •010 •027	019 019 008 .029 .096	006 002 .071 .131 .125	•180 •168 •144 •117 •099	•059	2 3 4 5 6	.091 .093 .081 .073
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.000	.008 .020 .051 .072 .076	010 .002 .023 .045 .100	002 .010 .027 .039 .113	019 019 008 .029 .096 .096	006 002 .071 .131 .125 .107	•180 •168 •144 •117 •099 •083	•059 •065	2 3 4 5 6 7	.091 .093 .081 .073 .053
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -2.750	.008 .020 .051 .072 .076 .065	010 .002 .023 .045 .100 .080	002 .010 .027 .039 .113 .002	019 019 008 .029 .096 .096 .085	006 002 .071 .131 .125 .107 .091	.180 .168 .144 .117 .099 .083	.059 .065 .061	2 3 4 5 6 7 8	.091 .093 .081 .073 .053 113
-6.000 -5.500 -5.000 -4.500 -3.500 -3.500 -2.750 -2.500	.008 .020 .051 .072 .076 .065	010 .002 .023 .045 .100 .080 .143	002 .010 .027 .039 .113 .002 .094	019 019 008 .029 .096 .096 .085	006 002 .071 .131 .125 .107 .091	.180 .168 .144 .117 .099 .083 .077	.059 .065 .061	2 3 4 5 6 7 8 9	.091 .093 .081 .073 .053 113 168
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250	.008 .020 .051 .072 .076 .065 .065	010 .002 .023 .045 .100 .080 .143 .072	002 .010 .027 .039 .113 .002 .094		006 002 .071 .131 .125 .107 .091 .087	.180 .168 .144 .117 .099 .083 .077 .077	.059 .065 .061 .065	2 3 4 5 6 7 8 9	.091 .093 .081 .073 .053 113 168 188
-6.000 -5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000	.008 .020 .051 .072 .076 .065 .065 .063	010 .002 .023 .045 .100 .080 .143 .072 .084	002 .010 .027 .039 .113 .002 .094 .092	-:019 -:019 -:008 :029 :096 :096 :085 :072 :067	006 002 .071 .131 .125 .107 .091 .087 .081	.180 .168 .144 .117 .099 .083 .077 .077	.059 .065 .061 .065 .063	2 3 4 5 6 7 8 9 10	.091 .093 .081 .073 .053 113 168 188
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.550 -2.250 -2.250 -1.750	.008 .020 .051 .072 .076 .065 .065 .063 .098	010 .002 .023 .045 .100 .080 .143 .072 .084	002 .010 .027 .039 .113 .002 .094 .092 .086 .088	-:019 -:019 -:008 :029 :096 :096 :085 :072 :067 :067	006 002 .071 .131 .125 .107 .091 .087 .081 .077	.180 .168 .144 .117 .099 .083 .077 .077 .081	059 065 061 065 063 063	2 3 4 5 6 7 8 9 10 11	.091 .093 .081 .073 .053 113 168 188 208 263
-6.000 -5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.500 -1.750	.008 .020 .051 .072 .076 .065 .065 .063 .098 .059	010 .002 .023 .045 .100 .080 .143 .072 .084 .065	002 .010 .027 .039 .113 .002 .094 .092 .086 .088	019019008029096096096096096067061067069	006 002 .071 .131 .125 .107 .091 .087 .081 .077	.180 .168 .144 .117 .099 .083 .077 .081 .083	.059 .065 .061 .065 .063 .063 .069	2 3 4 5 6 7 8 9 10 11 12 13	.091 .093 .081 .073 .053 113 168 188 208 263 .073
-6.000 -5.500 -5.500 -4.500 -4.500 -4.000 -3.500 -3.500 -2.5500 -2.5500 -2.2500 -2.2500 -1.750 -1.500 -1.250	.008 .020 .051 .072 .076 .065 .065 .063 .098 .059 .082 .063	010 .002 .023 .045 .100 .080 .143 .072 .084 .065 .076	002 .010 .027 .039 .113 .002 .094 .092 .086 .088 .088	019 019 008 .029 .096 .096 .085 .072 .067 .067 .067	006 002 .071 .131 .125 .107 .091 .087 .081 .077 .073	.180 .168 .144 .117 .099 .083 .077 .081 .083 .087	.059 .065 .061 .065 .063 .063 .069	2 3 4 5 6 7 8 9 10 11 12 13 14	.091 .093 .081 .073 .053 113 168 208 208 263 .073
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.500 -1.750 -1.500 -1.250	.008 .020 .051 .072 .076 .065 .065 .063 .098 .059 .082 .063	010 .002 .023 .045 .100 .080 .143 .072 .084 .065 .076	002 .010 .027 .039 .113 .002 .094 .092 .086 .088 .072 .070	019 019 008 .029 .096 .085 .072 .067 .067 .067 .067	006 002 .071 .131 .125 .107 .091 .087 .081 .077 .063 .073	.180 .168 .144 .117 .099 .083 .077 .081 .083 .087 .091	.059 .065 .061 .065 .063 .063 .069 .067	2 3 4 5 6 7 8 9 10 11 12 13 14	.091 .093 .081 .073 .053 -113 -168 -188 -208 -263 .073 .075 .083
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -2.250 -1.750 -1.500 -1.250 -1.750 -1.500 -1.750	.008 .020 .051 .072 .076 .065 .065 .069 .098 .059 .082 .063 .023 .068	010 .002 .023 .045 .100 .080 .143 .072 .084 .065 .076 .072	-002 010 027 039 113 002 094 092 086 088 088 072 070	019019019019019029096095072067067061067069	-:006 -:002 :071 :131 :125 :107 :091 :087 :081 :073 :067 :063 :073 :081	.180 .168 .144 .117 .099 .083 .077 .081 .083 .087 .091	.059 .065 .061 .065 .063 .063 .069 .067 .069	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	.091 .093 .081 .073 .053 -113 -168 -188 -208 -263 .073 .075 .083 .085
-6.000 -5.500 -5.500 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -2.1500 -1.500 -1.500 -1.000 -1.750 -1.000 -1.750 -1.000 -1.750 -1.000 -1.750	.008 .020 .051 .072 .076 .065 .065 .069 .098 .059 .082 .062 .063 .023	-010 002 023 045 100 080 143 072 084 005 076 078	002 .010 .027 .039 .113 .002 .094 .092 .086 .088 .072 .077 .067 .053	019019019008029096095097067067067067069067069069077	-:006 -:002 :071 :131 :125 :107 :091 :087 :081 :077 :063 :073 :067 :083 :081	*180 *168 *144 *117 *099 *083 *077 *081 *087 *091 *095 *099 *097 *095	.059 .065 .061 .065 .063 .063 .069 .067 .069 .073 .069	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	.091 .093 .081 .073 .053 -113 -168 -208 -263 .073 .075 .083 .085
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -2.750 -2.500 -2.250 -2.250 -2.250 -1.750 -1.500 -1.250 -1.750 -1.500 -3.500	.008 .020 .051 .072 .076 .065 .063 .098 .089 .082 .063 .023 .068 .072 .047	-010 002 023 045 100 080 1143 072 084 065 076 0772 076 0778	-002 010 027 039 113 002 094 092 086 088 072 070 067 053 064 072	019019008029096095077067067069077088	-:006 -:002 :071 :131 :125 :107 :091 :087 :073 :067 :063 :073 :087 :089	*180 *168 *1144 *117 *099 *083 *077 *081 *083 *095 *099 *097 *095 *097	.059 .065 .061 .063 .063 .069 .067 .069 .073 .069 .055	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	.091 .093 .081 .073 .053 -113 -168 -208 -263 .075 .075 .085 .085
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.750 -1.500 -1.750 -1.625 -3.750	.008 .020 .051 .072 .076 .065 .065 .069 .059 .063 .068 .072 .068 .072	-010 002 023 045 100 080 143 072 084 065 0776 072 076 078 057	-002 010 027 039 113 002 094 092 088 088 072 0077 067 063 064	019019019008029096095072067061069061067069077088	-006 -002 -071 -131 -125 -107 -091 -087 -081 -077 -073 -063 -073 -081 -087 -089	*180 *168 *144 *117 *099 *083 *077 *081 *081 *091 *099 *099 *099 *099 *099 *099	.059 .065 .061 .063 .063 .069 .067 .069 .073 .069 .055 .063	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	.091 .093 .081 .073 .053 -113 -168 -208 -263 .073 .075 .083 .085
-6.000 -5.500 -5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.500	.008 .020 .051 .072 .076 .065 .069 .089 .082 .069 .023 .068 .072 .047 .072	-010 002 023 045 100 080 1143 072 084 065 076 0772 076 0778	-002 010 027 039 113 0094 094 092 088 088 072 070 067 053 064 072	019019008029096095077067067069077088	-:006 -:002 :071 :131 :125 :107 :091 :087 :073 :067 :063 :073 :087 :089	*180 *168 *1144 *117 *099 *083 *077 *081 *083 *095 *099 *097 *095 *097	.059 .065 .061 .065 .063 .063 .069 .067 .069 .073 .069 .055 .053	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	.091 .093 .081 .073 .053 113 188 208 .073 .075 .085 .085 .085 .085
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.750 -1.500 -1.750 -1.625 -3.750	.008 .020 .051 .072 .076 .065 .065 .069 .059 .063 .068 .072 .068 .072	-010 002 023 045 100 080 143 072 084 065 0776 072 076 078 057	-002 010 027 039 113 002 094 092 088 088 072 0077 067 063 064	019019019008029096095072067061069061067069077088	-006 -002 -071 -131 -125 -107 -091 -087 -081 -077 -073 -063 -073 -087 -089 -089	*180 *168 *144 *117 *099 *083 *077 *081 *081 *091 *099 *099 *099 *099 *099 *099	.059 .065 .061 .063 .063 .069 .067 .069 .073 .069 .055 .063	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	.091 .093 .081 .073 .053 -113 -168 -188 -208 .073 .075 .085 .085 .085 .085 .085
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -3.7	.008 .020 .051 .072 .076 .065 .083 .098 .059 .082 .063 .023 .068 .072 .047 .072 .065 .089	-010 0002 0023 0045 1000 0800 1433 0772 084 0065 0776 0776 0778 0776 0061 0061 0092	-002 010 027 039 113 0092 094 088 088 072 077 067 053 064 072 083 075 104	019019019008029096096085072067061067069077088091112	-:006 -:002 -:071 -:131 -:125 -:107 -:091 -:087 -:087 -:067 -:063 -:073 -:081 -:087 -:089 -:089 -:089	*180 *168 *144 *117 *099 *083 *077 *081 *087 *091 *095 *099 *097 *095 *093 *093 *093	.059 .065 .061 .063 .063 .069 .067 .069 .073 .069 .059 .063 .069 .077	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.500 -1.750 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500	.008 .020 .051 .072 .076 .065 .063 .098 .059 .082 .063 .023 .068 .072 .068 .072 .065 .072 .065 .072	-010 002 023 045 100 080 1143 072 084 065 072 076 076 0778 0057 076 061 092	-002 010 027 039 113 002 094 092 086 088 072 077 067 067 072 083 075 104	019019008029096096096097067061067069067069077088077088071112147	-006 -002 -071 -131 -125 -107 -091 -087 -081 -077 -073 -063 -073 -083 -073 -081 -087 -089 -089 -091 -103	*180 *168 *144 *117 *099 *083 *077 *081 *087 *091 *095 *099 *097 *095 *093 *093 *093	.059 .065 .061 .065 .063 .069 .067 .069 .073 .069 .053 .069 .077	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.750 -2.550 -2.000 -1.750 -1.500 -1.250 -1.000 -3.750 -1.250 -1.125 -1.000 -3.750 -1.250 -1.125 -1.000 -3.750 -3	.008 .020 .051 .072 .076 .065 .083 .099 .089 .059 .082 .063 .023 .068 .072 .067 .072 .065 .083	-010 0002 0023 0045 1000 080 143 072 084 0065 0776 0778 0776 0761 0061 0061 1092	-002 010 027 039 113 002 094 088 088 072 070 067 053 064 072 083 075 104	019019019019008029096095077067067069077088091112147141	006002071131125007081087083073083073087089089089089089103	*180 *168 *144 *117 *099 *083 *077 *081 *087 *091 *095 *099 *097 *095 *093 *093 *093	.059 .065 .061 .063 .063 .063 .069 .067 .069 .073 .069 .059 .063 .069 .077 .079	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500	.008 .020 .051 .072 .075 .065 .063 .098 .059 .063 .023 .068 .072 .047 .072 .065 .084 .072 .084 .098	-010 002 023 045 100 080 0143 072 084 065 076 0772 076 061 092 1328 -151 006 -166	-002 010 027 039 113 002 094 098 088 088 072 077 053 064 077 083 075 104 -168 -168 -173	019019019008029096095072067061067069061067069011077088091115141141	006002071131125107091087087087063073067089089089089089103	*180 *168 *144 *117 *099 *083 *077 *081 *083 *087 *091 *095 *099 *099 *099 *099 *099 *099 *099	.059 .065 .061 .065 .063 .069 .067 .069 .073 .069 .055 .063 .069 .077 .079	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.750 -1.500 -3.750	.008 .020 .051 .072 .076 .065 .083 .099 .059 .083 .023 .068 .072 .067 .072 .065 .072 .069 .072 .072 .065	-010 002 023 045 100 000 000 0143 072 084 0055 076 077 076 078 057 076 061 061 092 1.328151 006258	-002 010 027 039 113 002 094 098 088 072 067 067 053 064 072 083 075 104 1075 1075 1075 1075 1075	019008008029096096087067067067069077088091112141141140	006002071131125007081077083077063073087089089089089089103	*180 *168 *144 *117 *099 *083 *077 *081 *081 *087 *091 *095 *099 *097 *099 *093 *093 *093 *093	.059 .065 .061 .065 .063 .063 .069 .067 .069 .073 .069 .077 .077 .079 .223 .226 .226 .226	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -3.75 -1.25 -1.000 -3.75 -1.25	.008 .020 .051 .072 .076 .065 .069 .098 .059 .082 .063 .068 .072 .047 .077 .072 .047 .078 .084 .098 .098	-010 0002 0023 0045 100 0800 0808 1443 0072 084 0065 0076 0078 0076 1076 1076 1076 1087 1076 1081 1092 10828 -151 1006 -1666 -258	-002 010 027 039 113 002 094 098 088 072 077 067 053 064 075 104 -168 -163 -173 -248 -299	019019019008029096085072067067061067088091112114111411160203	-:006 -:002 -:071 -:131 -:125 -:107 -:081 -:077 -:083 -:077 -:063 -:073 -:087 -:089 -:089 -:089 -:089 -:103	.180 .168 .144 .117 .099 .083 .077 .081 .083 .087 .091 .095 .095 .097 .095 .093 .093 .093	.059 .065 .061 .065 .063 .069 .067 .069 .073 .069 .055 .069 .077 .079 .079 .079 .079	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.750 -1.500 -3.750 -3	.008 .020 .051 .072 .076 .065 .069 .089 .089 .082 .068 .072 .067 .072 .047 .072 .084 .094 .108	010 0002 0023 0045 1000 0800 1143 0072 0844 0065 0076 0076 0076 0076 1092 1 328151069	-002 010 027 039 113 002 094 098 088 072 070 067 053 064 072 083 075 104 -168 -163 -173 -1299 -253	0190080080290960960960870670670670690770880911121141114111411160223	006002071131125107091087081073063073087089091103103093093093103	*180 *168 *144 *117 *099 *083 *077 *081 *083 *087 *091 *095 *099 *097 *093 *093 *091 *107	.059 .065 .061 .065 .063 .063 .069 .067 .069 .073 .069 .073 .069 .077 .077 .079 .228 .216 .228 .182 .182 .184	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -1.500	.008 .020 .051 .072 .076 .065 .069 .098 .059 .082 .063 .068 .072 .047 .077 .084 .098 .108	010002023045100080143072084065076076076078076076078076061092151049063	-002 010 027 039 113 002 094 098 088 072 070 067 053 064 075 104 -168 -163 -173 -248 -279 -253 -205		-:006 -:002 -:071 -:131 -:125 -:007 -:081 -:077 -:083 -:073 -:083 -:073 -:089 -:089 -:089 -:089 -:103:111 -:119 -:103 -:057 -:057	*180 *168 *144 *117 *099 *083 *077 *081 *081 *087 *091 *095 *097 *095 *097 *095 *097 *095 *093 *091 *107	.059 .065 .061 .063 .063 .069 .067 .069 .073 .069 .059 .063 .069 .077 .079 -223 -216 -208 -182 -144 -087	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.750 -6.25 -5.500 -3.75 -6.25 -0.000 -3.75 -0.000	.008 .020 .051 .072 .076 .065 .063 .099 .082 .063 .023 .068 .072 .047 .072 .047 .072 .084 .094 .094 .094 .094 .094 .094 .094 .09	010 0002 0023 0045 1000 0880 1143 0055 0076 0072 0076 0076 0076 1097 1097 1092 1092 1092 1092 1092 1092 1092 1092	-002 010 027 039 113 002 094 094 092 086 088 072 067 053 064 072 083 075 075 104 -168 -168 -129 -229 -2253 -2253 -2253 -2163		00600207113112510709108708177063073087089091103103093057038005	*180 *168 *144 *117 *099 *083 *077 *081 *083 *087 *091 *095 *099 *097 *093 *093 *091 *107	.059 .065 .061 .065 .063 .063 .069 .067 .069 .073 .069 .077 .077 .079 .223 .216 .228 .182 .182 .184 .087	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.750 -3.75 -1.250 -1.125 -0.000 -7.750 -1.250	.008 .020 .051 .072 .076 .065 .069 .089 .059 .082 .063 .023 .068 .072 .067 .077 .075 .084 .098 .108 .108 .108 .108 .108 .108 .108 .10	010002023045100080143072084065076076076076076076076076076076076016018018018018	-002 010 027 039 113 002 094 0086 088 072 067 067 053 064 075 104 -163 -173 -248 -299 -253 -163 -275		-:006 -:002 -:071 -:131 -:125 -:007 -:081 -:077 -:083 -:073 -:089 -:089 -:089 -:089 -:089 -:103:119 -:103:057 -:038 -:056	*180 *168 *144 *117 *099 *083 *077 *081 *087 *091 *095 *099 *097 *095 *093 *091 *107	.059 .065 .061 .063 .063 .069 .067 .069 .073 .069 .073 .069 .077 .079 .023 .023 .023 .023 .031 .031 .031 .031 .031 .031 .031 .03	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.750 -6.25 -5.500 -3.75 -5.500 -3.75 -0.500 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75	.008 .020 .051 .072 .076 .065 .069 .089 .089 .089 .089 .072 .065 .084 .096 .072 .047 .072 .065 .084 .096 .108 .176 .176 .186 .225 .189 .023 .189 .029			019008008029096096096087067061067061067069077088091112141141141141142227227227229198144099	-:006 -:002 -:071 -:131 -:125 -:107 -:091 -:087 -:081 -:077 -:083 -:073 -:087 -:087 -:089 -:089 -:091 -:103 -:119 -:103 -:057 -:038 -:057 -:038 -:057 -:038 -:057 -:038 -:057 -:038 -:057 -:038 -:057 -:038 -:006 -:020	*180 *168 *144 *117 *099 *083 *077 *081 *083 *087 *091 *095 *097 *095 *093 *097 *107 *107	. 059 . 065 . 061 . 065 . 063 . 063 . 069 . 073 . 069 . 073 . 069 . 077 . 077 . 228 . 228 . 182 . 182	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.750 -1.250 -1	.008 .020 .051 .072 .076 .065 .083 .098 .059 .082 .063 .023 .068 .072 .067 .076 .065 .084 .098 .098 .077 .077 .072 .065 .084 .098 .108 .108 .108 .108 .108 .108 .108 .10				-006 -002 -071 -131 -125 -107 -081 -087 -083 -073 -087 -088 -089 -089 -089 -103 -1119 -103 -093 -057 -038 -006 -020 -032	*180 *168 *144 *117 *099 *083 *077 *081 *087 *091 *095 *099 *097 *095 *093 *091 *107	.059 .065 .061 .063 .063 .069 .067 .069 .073 .069 .073 .069 .077 .079 .023 .023 .023 .023 .031 .031 .031 .031 .031 .031 .031 .03	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.750 -1.250 -1.750 -1.250 -1.750	.008 .020 .051 .072 .076 .065 .063 .098 .059 .063 .023 .068 .072 .047 .072 .065 .084 .094 .108 .176 .160 .196 .225 .151 .023 .129 .080 .100 .078	010002023045100080143072084055076076076076061092151049018018004018004018004018004018004018004018004018004018004018004018004018004018004018004018004			-:006 -:002 -:071 -:131 -:125 -:107 -:091 -:087 -:081 -:077 -:083 -:073 -:087 -:087 -:089 -:089 -:089 -:091 -:103 -:119 -:103 -:057 -:038 -:006 -:006 -:006 -:006 -:006 -:007	*180 *168 *144 *117 *099 *083 *077 *081 *083 *091 *095 *099 *097 *095 *099 *097 *095 *093 *091 *107	.059 .065 .061 .065 .063 .063 .069 .077 .069 .073 .069 .077 .079 -223 -216 -182 -182 -182 -035 .065 .065 .065 .065	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.550 -2.000 -1.750 -1.500 -1.750 -1.500 -3.75 -3.	.008 .020 .051 .072 .076 .065 .083 .099 .089 .059 .082 .063 .023 .068 .072 .077 .072 .065 .084 .098 .108 .108 .108 .108 .108 .108 .108 .10				-006 -002 -071 -131 -125 -107 -091 -087 -083 -077 -063 -073 -088 -089 -089 -089 -091 -103 -119 -103 -093 -0057 -038 -006 -0000 -0032 -038 -018	*180 *168 *1144 *1117 *099 *083 *077 *081 *083 *087 *091 *095 *099 *097 *095 *099 *097 *095 *0993 *091 *107	.059 .065 .061 .063 .063 .069 .067 .069 .073 .069 .073 .069 .077 .079 .023 .023 .023 .023 .031 .031 .031 .031 .031 .031 .031 .03	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.7500 -1.750	.008 .020 .051 .072 .076 .065 .065 .063 .098 .059 .082 .063 .072 .077 .077 .077 .084 .098 .098 .098 .099 .080 .099 .080 .090 .080 .090 .080 .090 .09	-010 002 023 045 100 080 08143 072 084 065 076 072 076 076 078 1061 092 1328 -1151 -006 -166 -258 -0151 -0063 -018 0023 0031 008	-002 010 027 039 113 002 094 098 088 088 072 070 067 053 064 075 104 -168 -163 -173 -248 -299 -253 -163 -075 -1061 -061 -061 -061 -061 -061 -061 -061 -061 -061 -061 -061 -061 -061 -061 -061 -061 -061 -061		-:006 -:002 -:071 -:131 -:125 -:107 -:081 -:077 -:083 -:073 -:089 -:089 -:089 -:089 -:103 -:119 -:103 -:093 -:018 -:006 -:020 -:038 -:018 -:038 -:018	*180 *168 *1144 *117 *099 *083 *077 *081 *083 *097 *091 *095 *099 *097 *095 *093 *091 *107 *107	.059 .065 .061 .065 .063 .063 .069 .077 .069 .073 .069 .077 .079 -223 -216 -182 -182 -182 -035 .065 .065 .065 .065	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.550 -2.250 -2.250 -1.750 -1.500 -3.750 -3	.008 .020 .051 .072 .076 .065 .083 .099 .083 .099 .083 .023 .068 .072 .047 .077 .065 .084 .094 .108 .108 .108 .108 .108 .108 .108 .108	-010 002 023 045 100 080 143 072 084 065 076 077 076 078 057 076 1061 061 092 1328 -151 006 -166 -258 -151 -049 -063 -018 004 018 023 031 008	-002 010 027 039 113 002 094 088 088 072 067 064 072 083 075 104 075 105 106 1075 106 1075 106 1075 106 1075 1075 106 1075		006002071131125007087081077063073087089091103093057038006038006038008038008038008038008038008038008038008038008	*180 *168 *1144 *1117 *099 *083 *077 *081 *083 *087 *091 *095 *099 *097 *095 *099 *097 *095 *099 *097 *0107 *107	.059 .065 .061 .065 .063 .063 .069 .077 .069 .073 .069 .077 .079 -223 -216 -182 -182 -182 -035 .065 .065 .065 .065	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -4.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.7500 -1.750	.008 .020 .051 .072 .076 .065 .065 .069 .079 .080 .072 .077 .077 .077 .077 .084 .098 .098 .098 .099 .082 .083 .068 .072 .047 .072 .047 .072 .047 .075 .084 .096 .008 .0096 .0080		-002 010 027 039 113 002 094 098 088 072 077 067 067 104 -168 -163 -173 -248 -279 -253 -205 -1163 -173 -1061 -061 -061 -061 -061 -060 -040 -040 -040 -050 -061 -061 -060 -040 -040 -040 -050		-:006 -:002 -:071 -:131 -:125 -:107 -:081 -:077 -:083 -:073 -:089 -:089 -:089 -:089 -:103 -:119 -:103 -:093 -:018 -:006 -:020 -:038 -:018 -:036 -:036 -:036	*180 *168 *1144 *1117 *099 *083 *077 *081 *083 *091 *095 *099 *097 *095 *099 *097 *095 *099 *097 *095 *093 *091 *107	.059 .065 .061 .065 .063 .063 .069 .077 .069 .073 .069 .077 .079 -223 -216 -182 -182 -182 -035 .065 .065 .065 .065	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.550 -2.250 -2.250 -1.750 -1.500 -3.750 -3	.008 .020 .051 .072 .076 .065 .083 .099 .083 .099 .083 .023 .068 .072 .047 .077 .065 .084 .094 .108 .108 .108 .108 .108 .108 .108 .108	-010 002 023 045 100 080 143 072 084 065 076 077 076 078 057 076 1061 061 092 1328 -151 006 -166 -258 -151 -049 -063 -018 004 018 023 031 008	-002 010 027 039 113 002 094 088 088 072 067 064 072 083 075 104 075 105 106 1075 106 1075 106 1075 106 1075 1075 106 1075		006002071131125007087081077063073087089091103093057038006038006038008038008038008038008038008038008038008038008	*180 *168 *1144 *1117 *099 *083 *077 *081 *083 *087 *091 *095 *099 *097 *095 *099 *097 *095 *099 *097 *0107 *107	.059 .065 .061 .065 .063 .063 .069 .077 .069 .073 .069 .077 .079 -223 -216 -182 -182 -182 -035 .065 .065 .065 .065	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.091 .093 .081 .073 .053 113 168 208 .073 .075 .085 .085 .085 .085 .077 .032 220

Table 11
Plate and Spoiler Pressure Coefficients
Configuration 6 M= 1+61 R= 0+30

			uration 6	M= 1	•61	R= 0.30	X 10 °		
x,in.	Row O	Row I	Row 3	Plate				Spo	iler
A ,	1.11011 0	1 NOW 1	1 Now 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
-1.000					00				
-6.000 -5.500	005	•001	•005 •043	•308 •370	•393	•374 •383		1 2	•508
-5.000	•006	.070	•318	• 386	•410	•385		2 3	• 454
-4.500	•283	•330	•373	•402	0416	•379		4	• 441 • 462
-4.000	•359	• 376	• 396	•407	•416	•372	•357	5	•502
-3.500 -3.000	•382	• 394	•407	+414	•416	•366	•381	6	• 575
-2.750	•396 •401	• 402 • 416	• 412	•417	•409	•373	•394	7	• 484
-2.500	•401	•408	•411	.420 .420	6402	• 379	• 400	8	364
-2.250	• 414	• 415	.414	4415	•395 •391	•387	• 404	9	363
-2.000	•402	•415	•412	.410	•387	•396	• 407 • 410	10	365
-1.750	•413	•416	•410	•409	•387	•404	• 406	11	363 .538
-1.500 -1.250	• 401	• 405	•398	•399	•385	.409	.395	13	•473
-1.000	•371	• 399	•393	• 394	•389	•422	•380	14	. 449
750	•371	•387	•391	• 393	•400	• 446	•370	15	• 475
625	•383	• 383	•394	• 399 • 406	•418 •429	•477 •491	•368	16	• 529
500	•395	•379	•407	• 421	• 452	•508	•375 •388	17	•611
375	•417	•417	• 427	.445	•480	•528	• 425	18	•642
250	• 456	•457	•471	• 493	•525	•543	• 487	20	360
125	•537		•544		•555		•577	21	368
•000	•548	•548	•553	•554	•554	•554	•585	22	364
• 250	370	364	359	356			364		
•375	-•366 -•372	371	363	361	352		365		
• 750	371	372 373	365	365	354	THE STATE OF THE S	369		
1.000	358	339	-•366 -•361	-•361 -•363	356	355	366		
1 • 250	339	343	-,352	-•363 -•351	354 357	355 355	353 324		
1.500	310	316	330	346	356	354	290		
1.750	223	280	307	337	353	354	256		
2.000	235	247	265	326	353	358	224		
2.500	206	217	262	311	348	358	191	the state of the s	
2.750	-•173 -•150	190	227	293	337	357	164		
3.000	132	166 145	220	267 239	320	357	145		
3.500	108	117	159	175	298	359	123		
4.000	088	092	122	131	213	356 348			
4.500	077	079	089	101	190	336			
5.000	068	114	070	079	169	324			
5.500	113	059	057	064	143	306			
6.000	057	-•049	040	-•047	110	266			
				Λ= 1	5°			AND DESCRIPTION	
				2000000					
-6 · 000	001	•004	•018	• 325	0374	·309		1	•517
-5.500	.001	•011	.235	• 364	•375	•295		2	•517 •463
-6.000 -5.500 -5.000 -4.500	.001 .066	•011 •213	• 235 • 340	•364 •371	•375 •376	• 295 • 295		2 3	• 463
-5.500 -5.000 -4.500 -4.000	.001	.011 .213 .333	•235 •340 •362	• 364 • 371 • 378	•375 •376 •374	•295 •295 •298	. 354	2 3 4	• 463 • 449 • 476
-5.500 -5.000 -4.500 -4.000 -3.500	.001 .066 .306 .351	•011 •213 •333 •355 •365	• 235 • 340	• 364 • 371 • 378 • 371	• 375 • 376 • 374 • 368	• 295 • 295 • 298 • 304	• 356 • 374	2 3 4 5	• 463 • 449 • 476 • 525
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000	.001 .066 .306 .351 .370	•011 •213 •333 •355 •365 •373	• 236 • 340 • 362 • 366 • 367 • 368	• 364 • 371 • 378	•375 •376 •374	• 295 • 295 • 298 • 304 • 317	•374	2 3 4 5 6	• 463 • 449 • 476 • 525 • 593
-5.500 -5.000 -4.500 -4.000 -3.500 -3.500 -2.750	.001 .066 .306 .351 .370 .375	.011 .213 .333 .355 .365 .373	.236 .340 .362 .366 .367 .368	• 364 • 371 • 378 • 371 • 374 • 376 • 374	• 375 • 376 • 374 • 368 • 367	• 295 • 295 • 298 • 304	•374 •383	2 3 4 5 6 7	• 463 • 449 • 476 • 525 • 593 • 518
-5.500 -5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500	.001 .066 .306 .351 .370 .375 .380	.011 .213 .333 .355 .365 .373 .390	.236 .340 .362 .366 .367 .368 .375	• 364 • 371 • 378 • 371 • 374 • 376 • 374	• 375 • 376 • 374 • 368 • 367 • 368 • 367 • 368	.295 .295 .298 .304 .317 .332 .344	•374	2 3 4 5 6	• 463 • 449 • 476 • 525 • 593 • 518
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250	.001 .066 .306 .351 .370 .375 .380	.011 .213 .333 .355 .365 .373 .390 .379	.236 .340 .362 .366 .367 .368 .375 .376	• 364 • 371 • 378 • 371 • 374 • 376 • 375	• 375 • 376 • 374 • 368 • 367 • 368 • 367 • 368 • 371	.295 .295 .298 .304 .317 .332 .344 .349	•374 •383 •383 •390 •394	2 3 4 5 6 7 8 9	• 463 • 449 • 476 • 525 • 593 • 518 • 354 • 354 • 359
-5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750	.001 .066 .306 .351 .370 .375 .380 .384 .392	.011 .213 .333 .355 .365 .373 .390 .379 .387	.235 .340 .362 .366 .367 .368 .375 .376 .376	• 364 • 371 • 378 • 371 • 374 • 376 • 374 • 375 • 375	• 375 • 376 • 374 • 368 • 367 • 368 • 367 • 368 • 371 • 368	.295 .295 .298 .304 .317 .332 .344 .349 .353	• 374 • 383 • 383 • 390 • 394 • 395	2 3 4 5 6 7 8 9 10	• 463 • 449 • 476 • 525 • 593 • 518 • 354 • 354 • 359 • 351
-5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -2.250 -1.750 -1.500	.001 .066 .306 .351 .370 .375 .380	.011 .213 .333 .355 .365 .373 .390 .379 .387 .394	.235 .340 .352 .366 .367 .368 .375 .376 .376 .380	•364 •371 •378 •371 •374 •376 •375 •376 •376	• 375 • 376 • 374 • 368 • 367 • 368 • 371 • 368 • 367	.295 .295 .298 .304 .317 .332 .344 .349 .353 .356	.374 .383 .383 .390 .394 .395	2 3 4 5 6 7 8 9 10 11	• 463 • 449 • 476 • 525 • 593 • 518 • 354 • 354 • 359 • 351 • 565
-5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250	.001 .066 .306 .351 .370 .375 .380 .384 .392 .381	.011 .213 .333 .355 .365 .373 .390 .379 .387 .394 .394 .396 .386	.235 .340 .362 .366 .367 .368 .375 .376 .376	• 364 • 371 • 378 • 371 • 374 • 376 • 374 • 375 • 375	• 375 • 376 • 374 • 368 • 367 • 368 • 367 • 368 • 371 • 368 • 367 • 361	.295 .295 .298 .304 .317 .332 .349 .349 .356 .360	.374 .383 .383 .390 .394 .395 .391	2 3 4 5 6 7 8 9 10 11 12 13	• 463 • 449 • 476 • 525 • 593 • 518 • 354 • 354 • 359 • 351 • 65 • 475
-5.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.250 -2.250 -1.750 -1.500 -1.250 -1.000	.001 .066 .306 .351 .370 .375 .380 .384 .392 .381 .398 .393 .363	.011 .213 .333 .355 .375 .379 .379 .387 .394 .394 .396 .386	.236 .340 .362 .366 .368 .375 .376 .376 .383 .375 .375 .375	• 364 • 371 • 371 • 374 • 376 • 374 • 375 • 376 • 378 • 378 • 363 358	• 375 • 376 • 374 • 368 • 367 • 368 • 371 • 368 • 367 • 361 • 359 • 368	.295 .295 .298 .304 .317 .332 .344 .349 .353 .356	.374 .383 .383 .390 .394 .395 .391 .379	2 3 4 5 6 7 8 9 10 11 12 13	• 463 • 449 • 476 • 525 • 593 • 518 • 354 • 359 • 351 • 565 • 449
-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.250 -1.250 -1.250	.001 .066 .306 .351 .370 .375 .380 .384 .392 .381 .393 .363 .370	011 213 333 355 365 373 390 379 387 394 394 396 386	*236 *340 *362 *366 *367 *376 *376 *376 *380 *383 *375 *372 *369 *369	• 364 • 371 • 378 • 371 • 374 • 376 • 376 • 376 • 376 • 376 • 378 • 363 • 363 • 363	• 375 • 376 • 374 • 368 • 368 • 368 • 371 • 368 • 367 • 368 • 367 • 369 • 369	.295 .295 .304 .317 .332 .344 .349 .356 .360 .368 .389 .474	.374 .383 .383 .390 .394 .395 .391	2 3 4 5 6 7 8 9 10 11 12 13	. 463 . 449 . 476 . 525 . 593 . 518 . 354 . 354 . 359 . 351 . 365 . 475 . 449
-5,500 -6,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,250 -2,250 -2,250 -1,750 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250	.001 .066 .306 .351 .370 .375 .380 .384 .392 .381 .398 .393 .363 .370	011 213 333 335 365 373 390 379 387 394 394 394 396 372 369	.236 .340 .362 .366 .367 .375 .376 .376 .380 .383 .375 .389 .372 .369 .360	*364 *371 *378 *371 *374 *376 *376 *376 *376 *378 *378 *378 *378 *378 *378 *378 *378	*375 *376 *374 *368 *367 *368 *371 *368 *367 *369 *368 *369 *368	. 295 . 298 . 3017 . 332 . 3349 . 353 . 360 . 368 . 369 . 426 . 474	. 374 . 383 . 389 . 390 . 394 . 395 . 391 . 379 . 348 . 348 . 344	2 3 4 5 6 7 8 9 10 11 12 13 14	• 463 • 449 • 476 • 525 • 593 • 518 • 354 • 354 • 359 • 351 • 475 • 449 • 491 • 572
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -2.500 -1.750 -1.250 -1.250 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750	.001 .006 .306 .351 .370 .375 .380 .384 .392 .881 .398 .393 .263 .377 .357	.011 .213 .333 .355 .365 .373 .379 .379 .394 .394 .396 .372 .361 .369	.235 .340 .362 .366 .367 .375 .375 .376 .383 .375 .372 .369 .369 .371 .371	*364 *371 *378 *371 *374 *376 *376 *376 *376 *378 *374 *363 *363 *369 *369	*375 *376 *376 *368 *367 *368 *367 *368 *371 *368 *361 *359 *361 *359 *368 *342 *342 *342 *342 *342 *342 *342 *342	. 295 . 295 . 298 . 304 . 317 . 332 . 344 . 349 . 356 . 368 . 389 . 474 . 506	. 374 . 383 . 389 . 390 . 394 . 395 . 391 . 379 . 365 . 348 . 344 . 352 . 369	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	. 463 . 449 . 476 . 525 . 593 . 518 . 354 . 354 . 359 . 351 . 365 . 475 . 449
-5,500 -5,500 -4,500 -4,500 -3,500 -3,500 -3,500 -3,500 -2,750 -2,500 -2,500 -1,500 -1,500 -1,500 -1,500 -7,500 -7,500 -625 -500 -3,750 -3	.001 .006 .306 .305 .375 .380 .380 .392 .381 .398 .399 .357 .370	011 213 333 355 365 373 387 387 394 394 394 386 372 361 369 371	.236 .340 .362 .366 .367 .375 .375 .376 .380 .383 .375 .372 .369 .369 .371	*364 *371 *371 *371 *374 *376 *376 *375 *376 *378 *378 *358 *363 *358 *364 *448	*375 *376 *374 *368 *367 *368 *371 *368 *371 *368 *371 *369 *369 *420 *454 *496	. 295 . 298 . 304 . 317 . 332 . 344 . 353 . 356 . 360 . 368 . 426 . 474 . 506 . 537	374 383 3890 3994 3995 3991 379 365 348 3444 352 369	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 463 . 4476 . 476 . 593 . 5918 - 3354 - 3359 - 3551 . 565 . 4475 . 4491 . 572 . 684 - 3349
-5,500 -5,500 -4,500 -4,500 -3,500 -3,500 -3,500 -3,500 -2,750 -2,250 -2,250 -2,250 -1,250 -1,250 -1,250 -1,250 -1,250 -3,750	.001 .006 .306 .351 .370 .375 .380 .384 .392 .881 .398 .393 .263 .377 .357	.011 .213 .333 .355 .365 .373 .379 .379 .394 .394 .396 .372 .361 .369	.235 .340 .362 .366 .367 .375 .375 .376 .380 .383 .375 .375 .376 .369 .369 .369 .369 .369 .371	*364 *371 *378 *371 *374 *376 *376 *376 *376 *378 *374 *363 *363 *369 *369	*375 *376 *374 *368 *367 *368 *367 *368 *371 *368 *367 *369 *369 *454 *454	. 295 . 295 . 298 . 304 . 317 . 332 . 344 . 349 . 356 . 368 . 389 . 474 . 506	• 374 • 383 • 390 • 394 • 395 • 379 • 365 • 348 • 344 • 352 • 369 • 409	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 463 . 4476 . 476 . 5598 . 5518 . 3554 . 3559 . 3559 . 475 . 4471 . 6884 . 7344 . 7341
-5,500 -5,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,2500 -2,250 -2,250 -1,750 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -2,250 -3,375 -6,25	.001 .006 .306 .3351 .370 .375 .380 .384 .392 .381 .398 .393 .363 .270 .387 .377 .385	011 213 333 355 365 373 387 387 394 394 394 386 372 361 369 371	.236 .340 .362 .366 .367 .375 .375 .376 .380 .383 .375 .372 .369 .369 .371	*364 *371 *371 *371 *374 *376 *376 *375 *376 *375 *378 *378 *358 *363 *358 *364 *448	*375 *376 *374 *368 *367 *368 *371 *368 *371 *368 *371 *369 *369 *420 *454 *496	. 295 . 298 . 304 . 317 . 332 . 344 . 353 . 356 . 360 . 368 . 426 . 474 . 506 . 537	374 383 390 394 395 391 379 365 348 344 352	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 463 . 4476 . 476 . 525 . 5918 - 3354 - 3359 - 3351 . 5675 . 4491 . 572 . 684 - 3349
-5,500 -5,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,500 -2,250 -2,250 -1,250 -1,500 -1,500 -1,500 -1,750 -1,500 -7,750 -625 -500 -3,750 -3	.001 .006 .306 .305 .375 .380 .381 .392 .381 .393 .257 .370 .357 .377 .377 .355 .411	.011 .213 .333 .355 .365 .373 .390 .379 .387 .394 .394 .396 .386 .371 .467	.236 .340 .362 .366 .367 .375 .375 .376 .380 .383 .375 .375 .375 .376 .360 .369 .369 .371 .369 .371 .369	*364 *371 *371 *371 *374 *374 *375 *375 *376 *378 *378 *369 *388 *406 *406 *506	*375 *376 *374 *368 *367 *367 *367 *361 *367 *369 *359 *369 *359 *369 *420 *454 *4555	. 295 . 298 . 298 . 304 . 317 . 3344 . 3453 . 3560 . 368 . 369 . 426 . 476 . 506 . 537 . 580	374 383 383 390 399 399 399 379 365 348 344 352 369 409	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 463 . 463 . 476 . 5593 . 5518 . 3554 . 3554 . 3554 . 3555 . 479 . 565 . 479 . 684 . 734 . 734 . 734 . 735 . 735 . 735 . 735
-5,500 -5,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,250 -2,250 -2,250 -1,750 -1,500	.001 .006 .306 .3351 .370 .375 .380 .392 .381 .398 .393 .263 .370 .357 .370 .385 .411 .552 .551	.011 .213 .333 .355 .365 .373 .390 .379 .394 .394 .394 .394 .372 .361 .371 .415 .467	. 236 .340 .362 .366 .367 .375 .375 .376 .380 .383 .375 .360 .381 .372 .360 .371 .360 .371 .360 .371 .375 .375 .375 .375 .375	*364 *371 *371 *371 *374 *376 *376 *378 *375 *378 *378 *378 *363 *358 *369 *344 *506 *560	*375 *376 *374 *368 *367 *368 *367 *368 *367 *361 *359 *367 *369 *359 *369 *420 *454 *454 *555 *563	. 295 . 298 . 298 . 304 . 317 . 3344 . 3453 . 3560 . 368 . 369 . 426 . 476 . 506 . 537 . 580	. 374 . 383 . 389 . 3994 . 3995 . 3991 . 3795 . 348 . 344 . 352 . 369 . 409 . 488 . 613	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 463 . 463 . 476 . 5593 . 5518 . 3554 . 3554 . 3554 . 3555 . 479 . 565 . 479 . 684 . 734 . 734 . 734 . 735 . 735 . 735 . 735
-5,500 -5,000 -4,500 -4,500 -4,000 -3,500 -3,500 -3,500 -2,750 -2,500 -2,250 -2,250 -2,250 -2,000 -1,750 -1,500 -1,750 -1,750 -1,750 -1,750 -3,750	.001 .006 .306 .305 .375 .380 .381 .392 .381 .398 .393 .363 .370 .357 .370 .385 .411 .457 .552 .561	.011 .213 .333 .355 .365 .373 .390 .379 .387 .394 .394 .394 .396 .372 .369 .371 .369 .371 .467	.236 .340 .362 .366 .367 .375 .375 .376 .380 .383 .375 .375 .376 .380 .383 .377 .369 .371 .369 .371 .396 .371 .396 .371 .396 .375	*364 *371 *371 *371 *374 *374 *375 *376 *375 *378 *378 *363 *358 *369 *384 *406 *448 *506	*375 *376 *374 *368 *367 *368 *367 *368 *371 *368 *367 *368 *359 *420 *454 *454 *455 *555 *563	. 295 . 298 . 298 . 304 . 317 . 332 . 349 . 3453 . 356 . 368 . 368 . 349 . 426 . 470 . 537 . 580 . 559	**374 **383 **389 **399 **399 **399 **379 **365 **348 **344 **352 **369 **409 **488 **614 ***347 **348 ***348 ***348 ***348 ***348 ***348 ***348 ***348 ***348 ***348 ***348 ***348 ***348 ***348 ***348 ***348	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 463 . 463 . 476 . 5593 . 5518 . 3554 . 3554 . 3554 . 3555 . 479 . 565 . 479 . 684 . 734 . 734 . 734 . 735 . 735 . 735 . 735
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,500 -2,050 -2,050 -1,750 -1,500 -1,500 -3,750 -6,25 -3,000 -3,75 -2,000 -3,75 -2,000 -3,75 -2,000 -3,75 -3,500 -3,75 -3,500 -3,75 -3,500 -3,75 -3,500 -3,75	.001 .006 .306 .3351 .370 .375 .380 .384 .392 .381 .398 .393 .363 .270 .357 .370 .385 .411 .457 .552 .561	.011 .213 .333 .355 .365 .373 .390 .379 .394 .394 .394 .394 .371 .415 .467 .559	. 236 .340 .362 .366 .367 .376 .376 .383 .375 .383 .372 .360 .371 .360 .371 .478 .560 .356 .356	*364 *371 *371 *371 *374 *376 *376 *376 *378 *378 *378 *363 *363 *369 *369 *406 *448 *506	*375 *374 *368 *367 *367 *367 *367 *367 *367 *367 *367	. 295 . 298 . 298 . 304 . 317 . 3344 . 349 . 343 . 353 . 360 . 368 . 426 . 474 . 5537 . 5571 . 559		2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 463 . 463 . 476 . 5593 . 5518 . 3554 . 3554 . 3554 . 3555 . 479 . 565 . 479 . 684 . 734 . 734 . 734 . 735 . 735 . 735 . 735
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,750 -2,250 -2,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -1,250 -3,750 -3,750 -3,750 -3,750 -3,750 -3,750 -3,750 -1,000	.001 .006 .306 .306 .311 .370 .375 .380 .384 .392 .381 .398 .399 .363 .370 .357 .370 .385 .411 .457 .552 .561 .3560 .3560	.011 .213 .333 .355 .365 .373 .390 .377 .394 .394 .394 .394 .396 .372 .361 .369 .372 .415 .467	. 236 . 340 . 362 . 366 . 367 . 375 . 376 . 380 . 383 . 375 . 376 . 360 . 371 . 360 . 371 . 360 . 371 . 356 . 356 . 356 . 356 . 356 . 356 . 356 . 356 . 375 . 375 . 376 . 377 . 376 . 377 . 376 . 377 . 377	*364 *371 *371 *371 *374 *376 *376 *376 *376 *375 *378 *378 *358 *363 *448 *506 *560 *560	*375 *376 *374 *368 *367 *368 *371 *368 *371 *368 *371 *369 *369 *420 *454 *455 *555 *563 *563	. 295 . 298 . 298 . 304 . 317 . 332 . 349 . 349 . 346 . 368 . 368 . 426 . 4506 . 5537 . 5580 . 559	.374 .383 .389 .399 .399 .399 .391 .379 .345 .348 .344 .352 .369 .409 .488 .613 .614	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 463 . 463 . 476 . 5593 . 5518 . 3554 . 3554 . 3554 . 3555 . 479 . 565 . 479 . 684 . 734 . 734 . 734 . 735 . 735 . 735 . 735
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,500 -2,050 -2,050 -1,750 -1,500 -1,500 -3,750 -6,25 -3,000 -3,75 -2,000 -3,75 -2,000 -3,75 -2,000 -3,75 -3,500 -3,75 -3,500 -3,75 -3,500 -3,75 -3,500 -3,75	.001 .006 .306 .3351 .370 .375 .380 .384 .392 .381 .393 .363 .370 .357 .370 .385 .411 .457 .552 .561	.011 .213 .333 .355 .365 .373 .390 .379 .387 .394 .394 .394 .371 .415 .467 .559 .355 -355 -355 -355 -3359 -3	. 236 .340 .362 .366 .367 .376 .375 .376 .383 .372 .360 .371 .360 .371 .478 .561 .560	*364 *371 *371 *371 *374 *376 *376 *376 *376 *378 *378 *363 *363 *369 *384 *406 *448 *506 *560 *355 *355 *355 *355 *355 *355 *355 *35	*375 *376 *374 *368 *367 *367 *367 *368 *367 *368 *367 *369 *369 *450 *454 *454 *454 *455 *563 *344 *344 *344 *344 *344 *344 *344	. 295 . 297 . 298 . 304 . 317 . 3344 . 343 . 353 . 360 . 368 . 426 . 474 . 5537 . 5571 . 559 . 559		2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 463 . 463 . 476 . 5593 . 5518 . 3554 . 3554 . 3554 . 3555 . 479 . 565 . 479 . 684 . 734 . 734 . 734 . 735 . 735 . 735 . 735
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,500 -2,500 -2,500 -1,750 -1,750 -1,500 -3,750 -1,500 -3,750 -3	.001 .006 .306 .306 .311 .370 .375 .380 .384 .392 .381 .398 .399 .363 .370 .357 .370 .385 .411 .457 .552 .561 .3560 .3560	.011 .213 .333 .355 .365 .373 .390 .379 .394 .394 .394 .394 .394 .372 .361 .361 .361 .467 .559 .355 .355 .355 .355 .355 .373 .395 .372 .386 .372 .372 .372 .372 .372 .372 .372 .372	. 236 .340 .362 .366 .367 .375 .376 .380 .383 .375 .389 .372 .369 .371 .391 .391 .391 .391 .391 .391 .391 .39	*364 *371 *371 *371 *374 *376 *376 *376 *376 *378 *378 *378 *363 *358 *408 *506 *560 *560 *355 *355 *355 *355 *355 *355 *355 *35	*375 *376 *374 *368 *367 *367 *367 *367 *367 *369 *367 *369 *420 *454 *454 *455 *558 *563	. 295 . 298 . 298 . 304 . 317 . 3344 . 3453 . 3560 . 368 . 3426 . 426 . 557 . 5580 . 559	374 383 389 389 399 399 379 379 365 348 344 352 365 409 488 613 614 -347 -348 -351 -351 -3351 -3351 -336 -3318	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 463 . 463 . 476 . 5593 . 5518 . 3554 . 3554 . 3554 . 3555 . 479 . 565 . 479 . 684 . 734 . 734 . 734 . 735 . 735 . 735 . 735
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,250 -2,2000 -1,250 -	.001 .006 .306 .306 .311 .370 .375 .380 .384 .392 .381 .398 .398 .398 .370 .385 .370 .385 .411 .457 .552 .561 .356 .356 .356 .356 .356 .356 .342 .319	.011 .213 .333 .355 .365 .373 .390 .379 .387 .394 .394 .394 .371 .415 .467 .559 .355 -355 -355 -355 -3359 -3	. 236 .340 .362 .366 .367 .376 .375 .376 .383 .372 .360 .371 .360 .371 .478 .561 .560	*364 *371 *371 *371 *374 *376 *376 *376 *376 *378 *378 *378 *363 *363 *369 *369 *406 *448 *506 *560 *560 *560 *560 *560 *560 *560	*375 *376 *374 *368 *367 *367 *367 *368 *367 *368 *367 *369 *369 *454 *454 *454 *455 *563 *344 *346 *344 *346 *347 *349 *349 *349 *349 *349 *349 *349 *349	. 295 . 2995 . 2996 . 317 . 3344 . 3453 . 3560 . 3689 . 4274 . 55037 . 5571 . 559 . 559 . 3445 . 3446 . 3446 . 3446 . 3446 . 3446	374 383 383 390 3994 3994 3991 379 365 4348 4352 4369 409 488 6613 6614 -3351 -3467 -3349 -3351 -3349 -338	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 463 . 463 . 476 . 5593 . 5518 . 3554 . 3554 . 3554 . 3555 . 479 . 565 . 479 . 684 . 734 . 734 . 734 . 735 . 735 . 735 . 735
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,500 -2,250 -2,250 -1,750 -1,750 -1,250 -1	.001 .006 .306 .306 .3351 .370 .375 .390 .394 .392 .381 .398 .393 .263 .370 .385 .411 .457 .552 .356 .356 .351 .356 .356 .351 .3564	.011 .213 .333 .355 .365 .373 .390 .379 .394 .394 .394 .394 .371 .467 .559 .371 .467 .559 .355 .355 .355 .355 .355 .355 .371 .467	. 236 .340 .362 .366 .367 .376 .376 .383 .375 .360 .372 .360 .371 .360 .371 .361 .372 .360 .372 .360 .375 .375 .375 .375 .375 .375 .375 .375	*364 *371 *371 *371 *374 *376 *376 *376 *376 *378 *378 *378 *363 *358 *408 *506 *560 *560 *355 *355 *355 *355 *355 *355 *355 *35	*375 *376 *374 *368 *367 *367 *367 *367 *367 *369 *369 *359 *359 *369 *420 *456 *5583 *563 *344 *344 *344 *344 *344 *344 *344 *3	. 295 . 298 . 298 . 304 . 317 . 3344 . 3453 . 356 . 368 . 426 . 474 . 558 . 557 . 558 . 559	374 383 389 389 399 399 379 365 348 344 352 365 409 488 613 614 -3347 -3351 -351 -351 -318 -294 -2268	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 463 . 463 . 476 . 5593 . 5518 . 3554 . 3554 . 3554 . 3555 . 479 . 565 . 479 . 684 . 734 . 734 . 734 . 735 . 735 . 735 . 735
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,250 -2,250 -1	.001 .006 .306 .3361 .370 .375 .380 .381 .392 .381 .398 .393 .263 .370 .370 .385 .411 .457 .552 .561 .360 .342 .319 .224 .219 .224 .202	.011 .213 .333 .355 .365 .373 .390 .379 .387 .394 .394 .394 .372 .361 .361 .361 .361 .361 .371 .415 .467 .559 .3356 -3356 -3356 -3356 -3356 -3356 -3356 -3356 -3356 -3356 -326	. 236 .340 .362 .366 .367 .375 .376 .380 .383 .375 .360 .371 .360 .371 .356 .356 .356 .356 .356 .356 .356 .356	*364 *371 *371 *371 *374 *376 *376 *376 *378 *378 *378 *378 *363 *358 *369 *344 *506 *560 *560 *560 *560 *560 *560 *560	*375 *376 *374 *368 *367 *367 *367 *367 *367 *367 *369 *420 *496 *5583 *563 *344 *344 *344 *344 *344 *344 *344 *3	. 295 . 2995 . 2996 . 317 . 3344 . 3453 . 3560 . 3689 . 4274 . 55037 . 5571 . 559 . 559 . 3445 . 3446 . 3446 . 3446 . 3446 . 3446	374 383 383 390 3994 3994 3991 379 365 4348 4352 4369 409 488 6613 6614 -3351 -3467 -3349 -3351 -3349 -338	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 463 . 463 . 476 . 5593 . 5518 . 3554 . 3554 . 3554 . 3555 . 479 . 565 . 479 . 684 . 734 . 734 . 734 . 735 . 735 . 735 . 735
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,250 -2,250 -2,250 -1,750 -1,250 -1	.001 .006 .306 .306 .311 .370 .375 .380 .384 .3992 .381 .3998 .3993 .363 .370 .385 .370 .385 .311 .457 .5561 .3561 .3561 .356 .319 .2344 .259 .2349 .224 .2259	.011 .213 .333 .355 .365 .373 .387 .390 .373 .394 .394 .394 .395 .369 .372 .369 .371 .467 .559 .355 -355 -355 -355 -355 -355 -355 -355	. 236 .340 .362 .366 .367 .368 .375 .376 .376 .383 .372 .360 .371 .360 .371 .361 .372 .360 .371 .360 .371 .360 .375 .375 .360 .375 .375 .375 .375 .375 .375 .375 .375	*364 *371 *371 *371 *371 *374 *376 *376 *376 *376 *378 *378 *363 *363 *363 *369 *369 *369 *369 *369	*375 *376 *376 *368 *367 *368 *367 *367 *368 *367 *367 *369 *367 *369 *454 *454 *455 *563 *563 *344 *344 *344 *344 *344 *344 *345 *344 *345 *346 *346 *347 *346 *347 *346 *347 *346 *347 *346 *347 *346 *347 *346 *347 *346 *347 *346 *347 *346 *347 *346 *347 *346 *347 *346 *347 *346 *347 *346 *347 *346 *347 *346 *347 *347 *347 *347 *347 *347 *347 *347	. 295 . 298 . 298 . 304 . 317 . 3344 . 349 . 353 . 360 . 368 . 426 . 474 . 5537 . 5571 . 559 . 5771 . 589 . 474 . 547 . 547	374 383 383 390 390 3994 3995 3391 379 3465 344 352 369 409 488 613 614 -347 -348 -351 -349 -318 -318 -294 -229	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 463 . 463 . 476 . 5593 . 5518 . 3554 . 3554 . 3554 . 3555 . 479 . 565 . 479 . 684 . 734 . 734 . 734 . 735 . 735 . 735 . 735
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,250 -2,250 -1	.001 .006 .306 .306 .3351 .370 .375 .380 .381 .392 .381 .398 .393 .263 .370 .356 .356 .356 .356 .356 .356 .356 .356	.011 .213 .333 .355 .365 .373 .396 .379 .397 .394 .394 .394 .372 .361 .361 .361 .415 .467 .559 .355 -356 -355 -356 -359 -359 -359 -359 -359 -359 -359 -359	236 340 3362 3366 3367 3375 3376 3383 3375 3383 3375 3360 3371 424 478 5561 5560 3356 -3356 -3356 -3356 -3356 -3356 -3359 -335	*364 *371 *371 *371 *374 *374 *376 *378 *378 *378 *378 *363 *358 *369 *344 *506 *560 *560 *560 *560 *560 *560 *560	*375 *376 *374 *368 *367 *368 *367 *367 *367 *367 *369 *420 *496 *5583 *563 *343 *344 *345 *344 *344 *344 *345 *345	295 295 298 317 3344 3356 3368 447 45371 55 55 57 65 65 7 8344 85 87 87 87 87 87 87 87 87 87 87 87 87 87	374 383 389 389 399 399 379 365 348 344 352 369 409 488 613 614 -3347 -348 -351 -349 -3351 -349 -329 -229	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 463 . 476 . 5793 . 518 . 3594 . 3594 . 3591 . 565 . 479 . 479 . 684 . 734 . 734 . 734 . 735 . 735
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -3,500 -3,500 -2,750 -2,250 -2,250 -1	.001 .006 .306 .306 .311 .370 .375 .380 .381 .399 .391 .398 .399 .356 .370 .356 .357 .356 .3561 .356 .3561 .356 .356 .342 .259 .224 .202 .180 .163 .129	.011 .213 .333 .355 .365 .373 .390 .387 .394 .394 .394 .394 .394 .361 .369 .372 .361 .369 .371 .467 .559 .355 -356 -355 -356 -355 -356 -356 -356 -	. 236 . 340 . 340 . 366 . 367 . 375 . 375 . 376 . 380 . 383 . 375 . 372 . 369 . 360 . 371 . 360 . 371 . 356 . 367 . 356 . 356 . 356 . 356 . 356 . 367 . 367 . 369 . 369	*364 *371 *371 *371 *371 *374 *376 *376 *376 *376 *378 *363 *363 *363 *363 *363 *364 *406 *506 *560 *355 *355 *355 *355 *355 *355 *355 *35	*375 *376 *374 *368 *367 *367 *368 *371 *368 *367 *369 *369 *420 *454 *454 *455 *555 *563 *563 *344 *344 *344 *344 *344 *344 *344 *3	. 295 . 2995 . 2996 . 3172 . 3344 . 3353 . 3360 . 3369 . 4274 . 55371 . 55371	374 383 383 390 394 399 399 399 379 376 376 376 376 376 376 376 376 376 376	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 463 . 476 . 5793 . 518 . 3594 . 3594 . 3591 . 565 . 479 . 479 . 684 . 734 . 734 . 734 . 735 . 735
-5,500 -5,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,500 -2,750 -1,500 -1,750 -1,500 -1,750 -1,500 -3,750 -1,250 -3,750 -3	.001 .006 .306 .306 .3351 .370 .375 .380 .384 .3992 .381 .398 .393 .263 .270 .357 .370 .385 .411 .457 .552 .561 .364 .356 .356 .356 .356 .356 .342 .319 .229 .180 .129 .180 .129 .096	.011 .213 .333 .355 .365 .373 .395 .397 .397 .398 .394 .394 .372 .361 .361 .361 .467 .559 .356 .371 .415 .467 .355 .355 .355 .355 .355 .355 .355 .35	236 3340 3362 3366 3375 3375 3375 3375 3383 3375 3360 3371 3424 478 5561 -3564 -3564 -3566 -3666	*364 *371 *371 *371 *371 *374 *376 *376 *376 *378 *378 *378 *363 *358 *406 *448 *506 *560 *357 *357 *357 *357 *357 *357 *357 *357	*375 *376 *374 *368 *367 *368 *367 *368 *367 *369 *367 *369 *369 *496 *5583 *342 *496 *5583 *343 *345 *346 *345 *346 *346 *347 *347 *347 *347 *347 *347 *347 *347	295 295 298 317 3344 3353 3368 426 4503 5571 559 4474 653711 65371	374 383 383 390 394 399 399 399 379 376 376 376 376 376 376 376 376 376 376	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 463 . 463 . 476 . 5593 . 5518 . 3554 . 3554 . 3554 . 3555 . 479 . 565 . 479 . 684 . 734 . 734 . 734 . 735 . 735 . 735 . 735
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -3,500 -2,750 -2,750 -2,250 -1	.001 .006 .306 .306 .311 .370 .375 .380 .381 .392 .381 .393 .263 .370 .385 .370 .385 .411 .457 .552 .561 .356 .3561 .356 .3561 .356 .3561 .356 .3561 .3562 .319 .224 .224 .2269 .2294 .2002 .180 .3129 .096	.011 .213 .333 .355 .365 .377 .396 .379 .397 .394 .394 .396 .372 .361 .369 .371 .415 .467 .559 .355 -356 -355 -355 -355 -355 -355 -355 -	. 236 . 340 . 362 . 366 . 367 . 375 . 376 . 380 . 383 . 375 . 360 . 383 . 372 . 369 . 360 . 371 . 391 . 424 . 478 . 560 . 356 . 367 . 356 . 356	*364 *371 *371 *371 *371 *374 *376 *376 *376 *378 *378 *378 *378 *363 *358 *408 *506 *560 *355	*375 *376 *374 *368 *367 *368 *367 *367 *368 *367 *369 *369 *420 *454 *454 *456 *558 *5583 *563 *344 *344 *344 *344 *345 *345 *345 *34	295 295 298 317 3344 3353 3356 3368 3426 426 4506 5537 558 559 3447 -3447 -3447 -3447 -3447 -3447 -3447 -3447 -3447 -3447 -3446 -344	374 383 383 390 394 399 399 399 379 376 376 376 376 376 376 376 376 376 376	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 463 . 476 . 5793 . 518 . 3594 . 3594 . 3591 . 565 . 479 . 479 . 684 . 734 . 734 . 734 . 735 . 735
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -3,500 -3,500 -2,750 -2,250 -2,000 -1,750 -1,250 -1	.001 .006 .306 .306 .3351 .370 .375 .380 .384 .3992 .381 .398 .393 .263 .270 .357 .370 .385 .411 .457 .552 .561 .364 .356 .356 .356 .356 .356 .342 .319 .229 .180 .129 .180 .129 .096	.011 .213 .333 .355 .365 .373 .395 .397 .397 .398 .394 .394 .372 .361 .361 .361 .467 .559 .356 .371 .415 .467 .355 .355 .355 .355 .355 .355 .355 .35	236 3340 3362 3366 3375 3375 3375 3375 3383 3375 3360 3371 3424 478 5561 -3564 -3564 -3566 -3666	*364 *371 *371 *371 *371 *374 *376 *376 *376 *378 *378 *378 *363 *358 *406 *448 *506 *560 *357 *357 *357 *357 *357 *357 *357 *357	*375 *376 *374 *368 *367 *368 *367 *368 *367 *369 *367 *369 *369 *496 *5583 *342 *496 *5583 *343 *345 *346 *345 *346 *346 *347 *347 *347 *347 *347 *347 *347 *347	295 295 298 317 3344 3353 3368 426 4503 5571 559 4474 653711 65371	374 383 383 390 394 399 399 399 379 376 376 376 376 376 376 376 376 376 376	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 463 . 476 . 5793 . 518 . 3594 . 3594 . 3591 . 565 . 479 . 479 . 684 . 734 . 734 . 734 . 735 . 735

Table 11 Continued

Plate and Spoiler Pressure Coefficients

Configuration 6 M=1.61 $R=0.30 \times 10^6$

		Configu	iration 6	M= 1.	61	R= 0.30	x 10°	
				Plate				Spoiler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.
				Λ= 3	0 0			
-6.000	•000	•001	•007	• 253	•357	•317		1 •370 2 •309
-5.500	•054	•039	•221	• 354	•360	• 263		3 .294
-5.000	•279	• 296	• 335	• 366	•356	• 236		4 .301
-4.500	•318	•344	• 358	• 374	•332	•224 •215	•314	5 .335
-4.000	• 342	• 351	• 353	• 363	•293	.207	•314	6 .395
-3.500	• 345	• 346	• 349	• 340	•255	•207	•312	7 •347
-3.000	•336	• 339	•339	•306 •283	•223	.216	.312	8335
-2.750	•336	• 345	•327	• 266	•207	.220	•316	9336
-2.500	•331	•328	•312	• 247	198	.229	•317	10338
-2.250	•323	•316	• 295	•231	.200	.239	•321	11333
-2.000	•300 •292	•299	•253	•222	•202	.260	•323	12 •403
-1.750	272	• 257	•232	.215	•208	.277	•328	13 •372
-1.500 -1.250	.227	• 238	•214	•209	.221	.301	•328	14 • 373
-1.000	.232	•222	.216	.214	•237	.336	• 326	15 • 388
750	•219	•215	•221	.230	•274	•373	•322	16 •412
625	•224	•224	.229	.245	•294	•395	•321	17 •430
500	•235	• 233	•251	•272	•328	•421	•325	18 • 395
375	• 256	.265	•282	•309	•374	.439	•339	19313
250	•313	•318	•334	• 365	•417	•437	•368	20 313
125	.410		• 424		•434		• 425	21309
.000	•408	•413	• 415	•412	•414	•413	•431	22 314
• 250	338	335	328	323			309	
• 375	335	340	334	328	318		312	
.500	344	340	343	332	320		312	
• 750	348	347	339	334	321	319	312	
1.000	333	314	335	334	323	314	314	
1.250	304	305	323	321	323	314	312	
1.500	277	274	299	309	321	316	299	
1.750	195	241	271	297	320	312	281 257	
2.000	213	209	227	282	317	312		
2.250	176	189	217	264	309	309	233	
2.500	151	165	189	249	303	308	186	
2.750	125	146	173	232	297	308 311	167	
3.000	106	129	158	213	286 271	310	101	
3.500	085	099	124	186 158	251	303		
4.000	061	074	-•107 -•093	139	235	298		
4.500	058	055 086	075	123	218	290		
5.000	097	038	067	111	203	282		
5.500	038	028	055	098	183	268		
				Λ=	45 °			
	1	222	204	•006	•293	•345		1 .379
-6.000	•000	•000	•004	•178	•345	.268		2 • 357
-5.500	•013	•140	•217	•308	•345	.215		3 .321
-5.000 -4.500	.281	•281	•310	•332	•332	.204		4 •318
-4.000	•295	•308	•325	• 327	•289	•211	• 274	5 • 350
-3.500	•299	•314	•325	•320	•239	•229	• 268	6 •415
-3.000	•307	•315	•273	•283	.202	.270	• 265	7 .366
-2.750	•301	•318	•299	• 257	•187	•301	• 269	8333
-2.500	•288	•294	•278	.230	•185	•323	•271	9337
-2.250	•276	•273	• 247	•204	•180	•352	• 267	10338 11333
-2.000	•236	•241	•218	•184	•180	• 376	• 255	12 •253
-1.750	•212	• 205	•189	•171	•194	•399	• 238	13 •204
-1.500	173	•172	•158	•163	•222	•415	•214 •178	14 •182
-1.250	•128	•148	•148	•174	•256	•421 •431	.150	15 •192
-1.000	•139	•145	•171	• 209	•300	• 440	.134	16 •233
750	•161	•177	• 206	• 263	•355 •375	•437	.133	17 •277
625	•193	• 206	• 238	• 297 • 334	•392	•438	.143	18 •299
500	•234	• 240	• 283	•370	•408	•430	•167	19300
375	• 289	• 304	•333	•370	• 415	•421	.215	20 275
250	•349	• 352	• 374	• 591	• 407	3721	• 280	21223
125	• 402 • 396	•399	.406 .401	•400	•397	•396	.269	22 226
							284	
0.00	330	330	322	318 317	312		299	
• 250	325	325	320	313	307		293	
•375		323	319 299	302	298	299	284	
•375 •500	333			276	290	272	290	
•375 •500 •750	333 381	336	- 244		* 2 7 0		297	
•375 •500 •750 1•000	333 381 385	353	266	=.244	293	-,232		
• 375 • 500 • 750 1•000 1•250	333 381 385 324	-•353 -•345	226	244	293	-•232 -•205		
.375 .500 .750 1.000 1.250 1.500	333 381 385 324 335	-•353 -•345 -•308	226 232	244	293	205	298 289	
.375 .500 .750 1.000 1.250 1.500	333 381 385 324 335 261	-•353 -•345 -•308 -•281	226 232 227	244 244 251	293	205 189	298	
• 375 • 500 • 750 1 • 000 1 • 250 1 • 500 1 • 750 2 • 000	333 381 385 324 335 261 316	353 345 308 281 267	226 232 227 210	244 244 251 264	293 309 324 334	205 189 175	298 289	
• 375 • 500 • 750 1 • 000 1 • 250 1 • 500 1 • 750 2 • 000 2 • 250	- 333 - 381 - 385 - 324 - 335 - 261 - 316 - 306	- • 353 - • 345 - • 308 - • 281 - • 267 - • 235	226 232 227 210 210	244 244 251 264 270	- • 293 - • 309 - • 324 - • 334 - • 305	205 189	298 289 266	
• 375 • 500 • 750 1 • 000 1 • 250 1 • 500 1 • 750 2 • 000 2 • 250 2 • 500	- 333 - 381 - 385 - 324 - 335 - 261 - 316 - 306 - 291	353 345 308 281 267 235 207	226 232 227 210 210 199	- · 244 - · 244 - · 251 - · 264 - · 270 - · 264	293 309 324 334 305 258	205 189 175 158	298 289 266 241	
.375 .500 .750 1.000 1.250 1.500 1.750 2.000 2.250 2.5500 2.750	- 333 - 381 - 385 - 324 - 335 - 261 - 316 - 306 - 291 - 353	- 353 - 345 - 308 - 281 - 267 - 235 - 207 - 205	226 232 227 210 210 199 216	- · 244 - · 244 - · 251 - · 264 - · 270 - · 264 - · 253	- • 293 - • 309 - • 324 - • 334 - • 305	205 189 175 158 168	298 289 266 241 221	
.375 .500 .750 1.000 1.500 1.500 1.750 2.000 2.250 2.500 2.750 3.000	333 381 385 324 335 261 316 306 291 353 329	- 353 - 345 - 308 - 281 - 267 - 235 - 207 - 205 - 158	226 232 227 210 210 199 216 225	- 244 - 244 - 251 - 264 - 270 - 264 - 253 - 239	- 293 - 309 - 324 - 334 - 305 - 258 - 228	205 189 175 158 168 222	298 289 266 241 221 201	
.375 .500 .750 1.000 1.250 1.500 1.750 2.000 2.250 2.500 2.750 3.000	- 333 - 381 - 385 - 324 - 335 - 261 - 316 - 306 - 291 - 353 - 329 - 106	- 353 - 345 - 308 - 281 - 267 - 235 - 207 - 205 - 158 - 185	226 232 227 210 210 199 216 225 207	- 244 - 244 - 251 - 264 - 270 - 264 - 253 - 239 - 204	- 293 - 309 - 324 - 334 - 305 - 258 - 228 - 231 - 264	205 189 175 158 168 222 304	298 289 266 241 221 201	
.375 .500 .750 1.000 1.250 1.500 2.000 2.250 2.500 2.750 3.000 3.500 4.000	- 333 - 381 - 385 - 324 - 335 - 261 - 316 - 306 - 291 - 353 - 329 - 106 - 015	- 353 - 345 - 308 - 281 - 267 - 235 - 207 - 205 - 158 - 185 - 122	226 232 227 210 210 199 216 225 207 180	- 244 - 244 - 251 - 264 - 270 - 264 - 253 - 239 - 204 - 169	- 293 - 309 - 324 - 334 - 305 - 258 - 228	205 189 175 158 168 222 304 258	298 289 266 241 221 201	
*375 *500 *750 1 *000 1 *250 1 *500 2 *000 2 *250 2 *550 2 *750 3 *500 4 *000 4 *500	- 333 - 381 - 385 - 324 - 335 - 261 - 316 - 396 - 291 - 353 - 329 - 106 - 015 - 046	- 353 - 345 - 308 - 281 - 267 - 235 - 207 - 205 - 158 - 122 - 015	226 232 227 210 210 199 216 225 207 180 155	244 244 251 264 270 264 253 239 204 169 160	293 309 324 334 305 258 228 231 264 270	205 189 175 158 168 222 304 258 253 284	298 289 266 241 221 201	
.375 .500 .750 1.000 1.250 1.500 2.000 2.250 2.500 2.750 3.000 3.500 4.000	- 333 - 381 - 385 - 324 - 335 - 261 - 316 - 306 - 291 - 353 - 329 - 106 - 015	- 353 - 345 - 308 - 281 - 267 - 235 - 207 - 205 - 158 - 185 - 122	226 232 227 210 210 199 216 225 207 180	- 244 - 244 - 251 - 264 - 270 - 264 - 253 - 239 - 204 - 169	- 293 - 309 - 324 - 334 - 305 - 258 - 228 - 221 - 264 - 270 - 236	205189175158168222304258253284	298 289 266 241 221 201	

Table 11 Concluded Plate and Spoiler Pressure Coefficients R= 0.30 x106 M= 1.61

Configuration 6 Plate Spoiler Row 4 Row 7 Row 9 Row I Row 3 Row 6 Orifice x, in. Row O No Λ= 60 •013 •138 •256 •269 •260 • 346 • 349 • 352 • 354 -6.000 .006 ·288 -.009 .005 -5.000 -4.500 -4.000 •012 •117 •196 .000 .059 .005 .086 .213 .030 •181 •144 •163 .216 .243 . 346 ·249 ·204 ·248 •217 •221 .248 .222 ·236 .225 .322 -3.500 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 .233 .254 .226 .136 .392 .219 -.306 •240 •220 •181 ·191 ·145 ·132 -.313 -.319 -.338 .232 .243 .146 .407 .225 •414 10 11 12 13 •212 •177 •132 .402 .397 .391 ·144 ·176 ·253 ·330 .170 ·134 .267 .204 .260 .167 .133 .099 .176 .274 •146 •205 •298 •163 •251 •329 ·367 -1.250 14 15 16 17 18 19 20 -1.000 -.750 .360 .381 .381 .291 -.625 -.500 -.375 .366 ·375 ·369 ·367 .315 .331 .350 .200 . 291 •356 •358 •350 ·224 ·241 ·259 ·324 ·351 .363 .207 .365 •342 •350 •358 -.250 .350 .363 .361 .364 -. 241 -.125 .355 ·356 -.219 . 267 .361 .360 .363 . 264 -.298 -.259 -.286 -.283 -.281 -.281 -.282 -.272 -.267 -.281 -.330 -.354 -.298 -.299 -.301 -.321 -.283 -.287 -.288 -.275 •375 •500 •750 -.293 -.287 -.278 -.276 -.273 -.269 -.269 -.258 - . 269 - 321 - 386 - 423 - 406 - 276 - 231 - 109 - 019 -.271 -.263 -.254 -.243 -.226 -.197 -.168 -.155 -.185 1.000 1.250 1.500 1.750 -.273 -.319 -.345 -.386 -.263 -.313 -.258 -.231 -.288 2.000 2.250 2.500 2.750 -.365 -.356 -.294 -.319 -.311 -.348 -.341 -.339 -.328 -.290 -.227 -.236 .028 -.096 -.231 - . 276 3.000 3.500 4.000 .021 .004 -.055 -.019 -.006 -.321 -.234 -.154 -.054 -.267 -.263 -.319 -.135 -.317 -.322 44500 54000 54500 -.016 -.020 -.056 -.002 .037 -.308 -.317 -.300 -.280 .028 .076 .087 6.000 -.004 .003 .045 -.243 Λ= 75 . .009 .019 .092 .144 .137 .123 -6.000 -5.500 -5.000 -4.500 -4.000 •002 •002 •010 .009 .007 .003 .001 .004 .005 .108 .108 .008 .011 .042 .072 •118 •184 •172 •138 .044 .100 ·111 ·111 ·099 .083 .067 .091 .093 .120 -3.500 -3.000 -2.750 .077 .091 ·105 .111 .066 .071 .071 .098 .091 .094 .099 .108 .068 -. 158 -2.750 -2.500 -2.250 -2.000 -1.750 .070 .085 .073 .099 .079 .077 .069 .071 .072 -.177 -.210 -.260 .089 10 .087 .086 .083 .105 .085 .087 .088 .083 .072 12 .083 -1.750 -1.500 -1.250 -1.000 -.750 -.625 -.500 -.375 -.250 .084 .059 •086 •089 •076 .093 .104 .111 •111 •114 •117 .072 .074 .073 .072 13 14 15 16 17 .096 .091 •106 •107 •107 •109 .086 .089 .094 .119 .063 .088 •097 •104 •107 •107 ·105 .119 .118 .063 .074 .116 - . 225 .109 .107 .113 .116 .112 .084 20 -. 164 ·111 - 4125 .110 .088 .000 .118 .357 .116 .119 .087 -.073 -.150 -.285 -.157 • 250 -.158 -.143 -.219 -.135 -.139 -.144 -.132 -.125 -.118 -.111 -.247 -.191 -.328 -.058 -.135 -.176 -.230 -.092 -.080 -.048 -.019 -.086 -.178 .750 -.193 -.220 1.000 1.250 1.500 1.750 -.272 -.235 -.180 -.138 -.063 -.034 -.006 -•242 -•187 .005 -.010 .009 .024 -.096 -.094 -.073 -.140 -.090 -.058 .026 ·023 .045 .074 2.500 .019 .021 -.020 .000 -.039 -.141 -.098 -.087 -.050 -.046 -.027 -.019 .047 •007 •046 •037 -.036 .037 .015 -.007 -.020 .048 4.000 4.500 5.000 5.500 -.015 -.049 -.002 -.016 -.016 -.010 -.007 .039 .040 .041 .024 .023 -.196 -.201 -.194 -.033

.043

.027

-.179

.007

.015

51

Table 12 Plate and Spoiler Pressure Coefficients Configuration 7 M= 1.61 R= 0.30 x 106

		Comig	uration (WI = .		K= 0.30			
	I 0 0	D 1	Row 3	Plate Row 4	T Row 6	Row 7	Row 9	Orifice No.	r
x, in.	Row O	Row I	L WOW 2		00°	Now /	Now 9	Office 140.	
				Λ=	00				
-6.000 -5.500	•007	•007	•004	•126 •321	•357	•283		1 2	.554 .481
-5.000	•.006	.011	•228	• 367	•375 •386	•297		3	. 464
-4.500	•219	•272	•351	•388	•399	.313		4	.498
-4.000	•355	• 366	•383	• 396	.409	•328	.352	5	.570
-3.500	•387	•393	•398	•402	.408	•336	.387	6	.685
-3.000	•400	•405	•407	•411	.404	•349	.400	7	•550
-2.750	•405	•412	+412	•412	•399	•353	• 403	8	353
-2.500	•410	•408	•415	•413	•391	•361	• 406	9	352
-2.250 -2.000	•419 •417	•410 •414	•413	•406	•383 •376	•372	.410 .411	10	351
-1.750	•418	•412	•407	•393	•373	•402	•409	12	.553
-1.500	• 407	•403	•395	•379	•376	•426	•400	13	.477
-1.250	•377	.389	•382	•371	•387	•453	.385	14	.458
-1.000	•378	• 373	•374	•378	•403	•492	.368	15	. 493
750	•373	•371	•381	•394	•438	•543	• 363	16	.561
625	•387	• 384	• 393	•413	• 467 • 500	•572 •598	•372 •389	17	.668
500 375	•398 •434	•437	• 417 • 452	• 487	•547	•626	.426	19	352
250	•491	• 491	•512	•548	•607	•630	• 493	20	353
125	•593	• 471	•608	.,,,,	•628	****	.595	21	354
•000	•602	•597	•599	•600	•604	•603	.600	22	352
• 250	353	357	352	352			354		
•375	352	365	354	354	344		355	The second second	
•500	358	362	358	357	346		357		
•750	361	365	359	361	348	352	358		
1.000	353	331	359	359	350	350	352		
1.250	341	350	347	344	352	352	334		
1.500	321	324 290	331	336	351	352	306 274		
1.750	234		303	318	352 349	352 352	244		
2.000	227	259 226	257 248	301 283	342	350	210	The State of the S	
2.500	199	195	210	266	331	352	183	N ESTATION TO	
2.750	173	172	193	246	316	351	158		
3.000	155	149	172	225	303	353	137		
3.500	118	121	139	184	268	353		1.1237	
4.000	093	098	116	145	239	348			
4.500	079	083	095	112	210	340			
5.000	065	074	075	091	181 146	329 309			
5.500	058 051	062 053	062	052	107	260		The same of the sa	
				Λ=	15°	7			
						:001		1	• 496
-6.000 -5.500	•000	•005	•008	•062 •310	•343	•304		1 2	.438
-5.000	•015	.040	• 261	• 363	•385	.242		3	. 425
-4.500	•259	.290	•358	•391	•390	•247		4	. 455
-4.000	•341	•352	•381	•394	•380	.265	.355	5	.505
-3.500	•364	•370	•390	• 396	•361	•285	•377	6	•589
-3.000	•367	•375	•386	• 392	•349	•307	•387	7	• 406
-2.750	•372	•384	•390	• 387	•348	•317	•391 •393	8 9	347 351
-2.500	• 375	•379	•390 •390	•381 •377	•346 •346	•327	• 395	10	352
-2.250 -2.000	•386 •377	•382 •382	•384	•369	•351	•342	.397	11	347
-1.750	•382	• 382	•378	•373	•352	•357	.397	12	.518
-1.500	•379	.377	•374	•368	•352	•368	•387	13	. 450
-1.250	•350	•374	•372	• 353	•352	•383	•367	14	.432
-1.000	•367	• 366	•362	•349	•353	•409	.351	15	. 459
750	•347	.349	•351	• 351	•371	• 447	• 349	16	• 526
625	•347	• 348	• 352	• 362	•395	• 473	•355 •372	17	.627 .683
	•354	• 356	•369 •392	•381 •419	•423	•500 •530	.408	19	-,339
500		• 385	• 452	• 478	•523	•545	.465	20	340
375	•379		•540		•554		• 556	21	342
-•375 -•250	•434						.556	22	
375	• 434 • 534 • 541	•542	•543	•544	•547	•546			340
375 250 125 .000	• 434 • 534 • 541	.542	•543		•547	•546	341	The state of the s	340
-•375 -•250 -•125	• 434 • 534		•543 -•348 -•352	•544 -•346 -•348	•547 -•339	•546	341 343		340
375 250 125 -000	. 434 . 534 . 541	.542 355	•543 -•348	346 348 352	-•339 -•340		341 343 342		340
- 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750	• 434 • 534 • 541 • 356 • 358 • 362 • 364	-542 355 359 358 362	•543 -•348 -•352 -•354 -•353	346 348 352 349	339 340 342	340	341 343 342 343		340
- 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 000	• 434 • 534 • 541 • • 356 • • 358 • • 362 • • 364 • • 355	•542 -•355 -•359 -•358 -•362 -•330	•543 -•348 -•352 -•354 -•353	346 348 352 349 352	339 340 342	340 339	341 343 342 343 343		340
375 250 125 -000 250 375 500 750 1-000 1-250	• 434 • 534 • 541 • 356 • 358 • 362 • 364 • • 355 • • 335	•542 -•355 -•359 -•358 -•362 -•330 -•343	• 5 4 3 - • 3 4 8 - • 3 5 2 - • 3 5 4 - • 3 5 3 - • 3 5 3 - • 3 4 6	- · 346 - · 348 - · 352 - · 349 - · 352 - · 340	-•339 -•340 -•342 -•342	340 339 339	341 343 342 343 343		-,340
375 250 125 .000 .250 .375 .500 .750 1.000 1.250 1.500	• 434 • 534 • 541 • • 356 • • 358 • • 362 • • 364 • • 355 • • 335	•542 -•355 -•359 -•358 -•362 -•330 -•343 -•321	• 543 - • 348 - • 352 - • 354 - • 353 - • 353 - • 346 - • 334	- · 346 - · 348 - · 352 - · 349 - · 352 - · 340 - · 336	- • 339 - • 340 - • 342 - • 340 - • 340	340 339 339 337	341 343 342 343 343 330		-,340
375 250 125 .000 .375 .500 .750 1.000 1.250 1.500 1.750	. 434 .534 .541 356 358 362 364 355 335 314	•542 -•355 -•359 -•358 -•362 -•330 -•343 -•321 -•300	• 543 -• 348 -• 352 -• 354 -• 353 -• 353 -• 346 -• 334 -• 315	- 346 - 348 - 352 - 349 - 352 - 340 - 336 - 325	- • 339 - • 340 - • 342 - • 340 - • 340 - • 341	340 339 339 337 338	341 343 342 343 343 330 310		-,340
375 250 125 -000 -250 -375 -500 -750 1.000 1.250 1.500 1.750 2.000	. 434 . 534 . 5541 356 358 362 364 355 335 314 226	•542355359358362330343321300273	• 543 - • 348 - • 352 - • 354 - • 353 - • 346 - • 334 - • 315 - • 273	346 348 352 349 352 340 325 325	339 340 342 340 340 341 339	-•340 -•339 -•339 -•337 -•338	341 343 342 343 343 330 310 284 253		340
375 250 125 000 	. 434 .534 .5541 356 358 364 365 335 3314 226 246	*542355359358362330343321300273246	• 543 -• 348 -• 352 -• 354 -• 353 -• 353 -• 346 -• 334 -• 315	346 348 352 349 352 340 325 310 293 275	339 340 342 342 340 340 339 339	340 339 339 337 338 335	341 343 342 343 343 310 284 253 225		340
375 250 125 -000 250 -375 -500 -750 1.000 1.250 1.750 2.000 2.250 2.500 2.750	. 434 . 534 . 5541 356 358 362 364 355 335 314 226	*542 -*355 -*359 -*358 -*362 -*330 -*343 -*321 -*300 -*273 -*246 -*217	•543 -348 -352 -354 -353 -353 -346 -334 -315 -273 -276 -233	346 348 352 349 352 340 325 325	339 340 342 340 340 341 339	-•340 -•339 -•339 -•337 -•338	341 343 342 343 343 330 310 284 253		340
375 250 125 000 375 500 375 500 1-250 1-500 1-750 2-250 2-250 2-750 3-000	. 434 .534 .5541 356 358 362 364 355 335 314 226 246 214	.542 355 359 358 362 343 321 300 273 217 192 165	- 348 - 352 - 353 - 353 - 353 - 346 - 334 - 315 - 273 - 276 - 233 - 218 - 198	- 346 - 348 - 352 - 349 - 352 - 340 - 336 - 325 - 310 - 293 - 275 - 252 - 231	- 3339 - 3442 - 3442 - 3340 - 3340 - 3341 - 3335 - 329 - 318	- • 340 - • 339 - • 339 - • 337 - • 338 - • 335 - • 335 - • 336 - • 339	- 341 - 343 - 342 - 343 - 3343 - 330 - 3310 - 284 - 253 - 225		340
375 250 125 000 250 375 500 750 1.000 1.500 1.750 2.000 2.250 2.750 3.500 3	. 434 .534 .534 .541 358 358 362 362 365 335 335 314 226 224 184 184 184	*542 -*355 -*359 -*358 -*362 -*330 -*343 -*321 -*300 -*273 -*246 -*217 -*192 -*165 -*126	- 543 - 348 - 352 - 354 - 353 - 354 - 353 - 3746 - 334 - 315 - 273 - 276 - 218 - 198	346348352349352340336325310293275252231193	- 3339 - 3442 - 3442 - 3440 - 3440 - 3441 - 3339 - 3335 - 318 - 329 - 329	- 340 - 339 - 339 - 337 - 338 - 335 - 335 - 336 - 339	- 341 - 343 - 342 - 343 - 343 - 330 - 310 - 254 - 225 - 201 - 176		340
375 250 125 000 375 500 375 500 375 500 1.250 1.500 1.750 2.000 2.250 2.750 3.000 3.500 4.000 3.500 4.000	. 434 .534 .5541 356 356 356 362 364 355 335 315 226 246 214 160 143 112 085	.542 355 359 358 362 330 343 321 300 273 217 165 165 126	- 543 - 348 - 352 - 354 - 353 - 353 - 346 - 315 - 273 - 273 - 218 - 198 - 1164	- 346 - 348 - 352 - 349 - 352 - 340 - 325 - 325 - 325 - 325 - 275 - 252 - 231 - 193 - 159	- 339 - 3440 - 3442 - 3440 - 3441 - 3341 - 3395 - 329 - 3106 - 2744	- 340 - 339 - 337 - 338 - 335 - 335 - 336 - 339 - 339	- 341 - 343 - 342 - 343 - 343 - 330 - 310 - 254 - 225 - 201 - 176		340
375 250 125 000 250 375 500 750 1 000 1 250 1 500 2 250 2 250 2 750 3 500 3 500 4	. 434 .534 .534 .541 358 358 362 362 365 335 335 3314 226 224 184 184 184 184 185 185 185 185	*542 -*355 -*359 -*358 -*362 -*330 -*243 -*221 -*300 -*273 -*246 -*217 -*192 -*165 -*126 -*096	- 543 - 348 - 352 - 354 - 353 - 353 - 346 - 334 - 315 - 276 - 233 - 218 - 198 - 1154 - 110	- 346 - 348 - 352 - 349 - 352 - 340 - 325 - 325 - 325 - 275 - 275 - 252 - 193 - 159 - 138	- 339 - 340 - 342 - 342 - 340 - 340 - 341 - 339 - 335 - 329 - 318 - 276 - 244 - 214	- 340 - 339 - 337 - 338 - 335 - 335 - 335 - 335 - 335 - 335 - 335 - 339 - 339 - 339	- 341 - 343 - 342 - 343 - 343 - 330 - 310 - 254 - 225 - 201 - 176		340
375 250 125 000 375 500 375 500 1-250 1-250 1-375 2-200 2-250 2-375 3-000 3-500 3-500 3-500 3-500 3-500 3-500 3-500 3-500 3-500 3-500 3-500 3-600 3-750	. 434 .534 .5541 356 356 356 362 364 355 335 315 226 246 214 160 143 112 085	.542 355 359 358 362 330 343 321 300 273 217 165 165 126	- 543 - 348 - 352 - 354 - 353 - 353 - 346 - 315 - 273 - 273 - 218 - 198 - 1164	- 346 - 348 - 352 - 349 - 352 - 340 - 325 - 325 - 325 - 325 - 275 - 252 - 231 - 193 - 159	- 339 - 3440 - 3442 - 3440 - 3441 - 3341 - 3395 - 329 - 3106 - 2744	- 340 - 339 - 337 - 338 - 335 - 335 - 336 - 339 - 339	- 341 - 343 - 342 - 343 - 343 - 330 - 310 - 254 - 225 - 201 - 176		340

Table 12 Continued

Plate and Spoiler Pressure Coefficients

Configuration 7 M=1.61 $R=0.30 \times 10^6$

Row O Row I Row 3 Row 4 Row 6	**************************************	Spoiler Orifice No. 1
x, in.	*322 *345 *266 *211 *212 *322 *215 *319 *228 *315 *241 *315 *260 *315 *281 *314 *330 *314 *330 *314 *340 *307 *344 *301 *397 *292 *476 *273 *492 *273 *512 *277 *519 *296	Orifice No.
Λ= 30 ° -6.000	*322 *345 *266 *211 *212 *322 *215 *319 *228 *315 *241 *315 *260 *315 *281 *314 *330 *314 *330 *314 *340 *307 *344 *301 *397 *292 *476 *273 *492 *273 *512 *277 *519 *296	1
-6.000	*345 *266 *211 *212 *215 *215 *215 *221 *228 *315 *220 *315 *220 *315 *220 *315 *220 *314 *308 *314 *308 *314 *300 *344 *301 *397 *292 *476 *273 *492 *273 *512 *277 *519 *299 *399	2
-5.500	*345 *266 *211 *212 *215 *215 *215 *221 *228 *315 *220 *315 *220 *315 *220 *315 *220 *314 *308 *314 *308 *314 *300 *344 *301 *397 *292 *476 *273 *492 *273 *512 *277 *519 *299 *399	2
-5.000	.266 .211 .212 .322 .215 .319 .228 .315 .241 .315 .240 .315 .281 .308 .314 .300 .314 .340 .307 .364 .301 .397 .292 .435 .282 .476 .273 .492 .273 .492 .273 .512 .277 .519 .296	3
-4.500	*211	4 319 5 370 6 462 7 315 8 -310 9 -335 10 -352 11 -328 12 375 13 334 14 327 15 344 16 372 17 401 18 352
-4.000	*212 *322 *215 *319 *228 *315 *241 *315 *280 *315 *281 *314 *3308 *314 *3308 *314 *340 *307 *364 *301 *397 *292 *476 *273 *492 *273 *512 *277 *519 *296 *499 *335	5 .370 6 .462 7 .315 8310 9335 10352 11328 12 .275 13 .334 14 .327 15 .344 16 .372 17 .401 18 .352
-3.500	215 319 228 315 2241 315 220 315 220 315 220 314 308 314 340 307 364 301 397 292 435 282 476 273 492 273 512 277 519 296	5
-2.750	• 228 • 315 • 241 • 315 • 260 • 315 • 281 • 314 • 308 • 314 • 300 • 307 • 364 • 301 • 397 • 292 • 475 • 282 • 476 • 273 • 512 • 277 • 519 • 296 • 499 • 335	7 • 315 8 • - 310 9 • - 335 10 • - 352 11 • - 328 12 • 375 13 • 334 14 • 327 15 • 344 16 • 372 17 • 401 18 • 352
-2.500	.260 .315 .281 .314 .308 .314 .340 .307 .364 .301 .397 .292 .435 .282 .476 .273 .512 .277 .519 .296 .499 .335	8 310 9 335 10 352 11 328 12 375 13 334 14 327 15 344 16 372 17 401 18 352
-2.250	*281 *314 *308 *314 *340 *307 *364 *301 *397 *292 *435 *282 *476 *273 *992 *273 *512 *277 *519 *296	10352 11328 12 .375 13 .334 14 .327 15 .344 16 .372 17 .401 18 .352
-2.000	*308 *314 340 *307 364 *301 *397 *292 *435 *282 *476 *273 *492 *273 *512 *277 *519 *296 *499 *335	11 -328 12 :375 13 :334 14 :327 15 :344 16 :372 17 :401 18 :352
-1.750	*340 *307 *364 *301 *397 *292 *455 *282 *476 *273 *992 *273 *512 *277 *519 *296 *499 *335	12
-1.500	• 364 • 301 • 397 • 292 • 435 • 282 • 476 • 273 • 512 • 277 • 519 • 296 • 499 • 335	13
-1.250	.397 .292 .435 .282 .476 .273 .492 .273 .512 .277 .519 .296 .499 .335	14 • 327 15 • 344 16 • 372 17 • 401 18 • 352
-1.000	.435 .282 .476 .273 .492 .273 .512 .277 .519 .296 .499 .335	15 • 344 16 • 372 17 • 401 18 • 352
750	•476 •273 •492 •273 •512 •277 •519 •296 •499 •335	16 • 372 17 • 401 18 • 352
500	•512 •277 •519 •296 •499 •335	17 •401 18 •352
- 375	•519 •296 •499 •335	
250	•499 •335	
125		19306
.000 .460 .457 .462 .464 .465 .250327327321312		20304
•250 -•327 -•327 -•321 -•312	e462 e405	21 302
	303	
•375 •500 -•349 -•345 -•327 -•317 -•305 •349 -•345 -•339 -•325 -•311	304	
•750 -•351 -•355 -•346 -•333 -•316	303 305	
1.000324307337334317	307308	•
1.250287294316318315	309299	
1.500249252292310315	-,306 -,284	
1.750170217265296312	303260	
2.000191183215278309	302233	
2 • 250	301206	
	299182	
	-•300 -•158	
3.000117102141198275 3.500097091106164250	305141 301	
4.000090078092135229	297	
4.500075074081115210	291	
5.000016068062100192	284	the state of the s
5.500 .038056051087176 6.000 .057045044078161	275	
	-•261	
•		
-6.000002004002 .001 .011	•137	1 .480
-5.500 .000005003 .005 .036	•337	2 .464
-5.000 .077005 .000 .036 .315 -4.500 .257 .200 .213 .295 .360	•361	3 • 438
1000	•225	4 • 441
-4.000	•191 •287 •193 •278	5 .487
-3.000 .301 .313 .324 .321 .215	•193 •278 •240 •276	6 •560
-2•750 •303 •322 •323 •288 •191	295 276	8 ~.381
-2 · 500	•352 •271	9385
-2.250 .288 .288 .266 .206 .182	•417 •257	10390
-2.000 .253 .253 .227 .183 .193	•468 •239	11 ~.385
-1 • 750 • 212 • 212 • 190 • 177 • 217	•512 •216	12 • 282
-1.500 .175 .176 .171 .178 .258 .122 .163 .167 .197 .326	•537 •187	13 •236
-1.000 .156 .174 .188 .253 .399	•552 •157 •561 •137	14 • 207 15 • 216
-•750 •201 •223 •258 •337 •472	•553 •129	15 • 216 16 • 256
625 .251 .286 .316 .393 .492	•543 •141	17 • 315
-•500 •289 •330 •379 •432 •502	•535 •160	18 .317
-•375 •398 •415 •431 •472 •512	•525 •192	19307
-•250 •457 •456 •474 •492 •512	•513 •251	20286
-•125 •491 •497 •504 •000 •481 •480 •484 •483 •490	•315	21 229
•000 •481 •480 •484 •483 •490	•487 •299	22 225
•250 -•390 -•386 -•379 -•374	265	
•375 -•384 -•382 -•379 -•372 -•358	290	
•500 -•390 -•384 -•377 -•371 -•352	300	
•750 -•408 -•392 -•356 -•354 -•339	327293	
1.000374364308336339 1.250352365286308347	295313	
1.500352365286308347 1.500363357286301354	-•256 -•332 -•227 -•336	
1.750284348265306346	205308	
2.000384270250311332	195273	
2.250386219281305312	200242	
2.500345232257293291	216220	
2.750260271255275271	248199	
3.000127272238253254	312180	
3.500 .021132208208265	274	
4.000	-•256	
	295	
	253 269	
5.500007 .056 .074127216	,	

Table 12 Concluded
Plate and Spoiler Pressure Coefficients

Configuration 7 M= 1.61 R= 0.30 × 106

							The second second		
	1	1 -	1	Plate				Spoi	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	60 °				
-6.000	002	006	008	002	•011	•005		1	• 378
-6.000 -5.500	004	005	009	002	.013	•024		1 2	• 378
-5.000	004	007	008	007	.010	•297		3	• 379
-4.500	•033	002	005	.007	•203	•323		4	.378
-4.000	•157	•095	•090	.181	•285	•202	•219	5	.369
-3.500	•212	• 207	•217	• 250	•285	•175	•228	6	• 345
-3.000	•229	• 235	• 241	• 256	•242	• 245	•230	7	103
-2.750	4231	• 246	• 246	• 256	•186	.308	• 225	8	339
-2.500	•230	• 236	• 241	• 242	.161	•373	• 227	9	360
-2.250	•238	•238	•238	• 206	•158	•421	• 222	10	352
-2.000	•220	•228	•215	• 154	•178	• 450	•213	11	389
-1.750	•196	•193	•162	.149	•230	•457	•193	12	• 284
-1.500	149	•140	•139	•162	•303	• 449	•158	13	• 286
-1.250	•112	•132	•154	•213	•378	• 440	•133	14	• 294
-1 * 000 - * 750	•173 •268	•179 •283	• 225	*315	•411	•433	•145	15	• 306
625	•315		•329	• 383	•416	•420	•188	16	•316
-,500	•345	• 345 • 352	• 364	•389	•409	•413	•217	17	• 310
375	•360		•384	• 392	•401	•404	•245	18	•180
-,250	378	• 392	• 384	• 386	•399	•397	• 269	19	302
-,125	•383	•372	•383 •383	•386	•392 •387	•390	•284	20	282
.000	•383	•377	• 387	•381	•386	•387	• 292 • 290	22	255 253
• 250 • 375	330	329	320 331	322	315		297		
	343			326			296		
•500		339	329	327	311		290		
1.000	430	368	329	321	308	307	292		
1.250	405	392	358 411	325 334	300	295 284	331 298		
1.500	338	382	422	342	293	271	283		
1.750	191		388			261			
2.000	156	312 233	293	361 389	293		289		
2.250	070	158	251	364	299	248 228	323 280		
2.500	034	094	171	322	288	213	214		
2.750	019	060		278	286				
3.000	009		096		- 206	226	106		
3.500	•008	042 035	022	234 139	285 300	-•292 -•317	006		
4.000	•002	028	•042	030	303	334			
4.500	012	030	•032	•050	273	332			
5.000	013	030	•032	•080	236	275			
5.500	014	022	•024	•072	214	274			
6.000	005	020	•016	.061	154	280			
					5				
-6.000	•005	004	•000	•001	•006	.006		1 2	•103
-5.500	•003	003	001	•000	•008	•006		3	•105
-5.000	•006	005	001	004	•006	•080			•106
-4.500	•026	001	001	•005	•024	•200	000	4 5	•101
-4.000 -3.500	•071 •091	•030	•019	•037	.129 .159	•197	•080		•093
		•084	•089	•115		•170	•078	6 7	
-3.000	•090	•102	•116	•130	•148	•143 •137	•076	-	
-2.750 -2.500	•090 •091	•111	•117 •114	•124 •120	.139			0	205
-2.250	• 071				. 120			8	120
	.100	-007			•130	•131	•077	9	120 222
	•100	•097	•107	•112	•117	•131 •130	•077	9	120 222 200
-2.000	•100 •088	•097 •094	•107 •103	•112 •109	•117 •105	•131 •130 •124	•077 •075 •071	9 10 11	120 222 200 264
-2.000 -1.750	•100 •088 •088	•097 •094 •091	•107 •103 •098	•112 •109 •106	•117 •105 •099	•131 •130 •124 •123	•077 •075 •071 •074	9 10 11 12	120 222 200 264 .082
-2.000 -1.750 -1.500	•100 •088 •088 •090	•097 •094 •091 •090	•107 •103 •098 •095	•112 •109 •106 •096	•117 •105 •099 •101	•131 •130 •124 •123 •124	•077 •075 •071 •074	9 10 11 12 13	120 222 200 264 082 086
-2.000 -1.750 -1.500 -1.250	.100 .088 .088 .090	.097 .094 .091 .090	•107 •103 •098 •095 •085	•112 •109 •106 •096 •085	•117 •105 •099 •101 •105	•131 •130 •124 •123 •124 •125	.077 .075 .071 .074 .074	9 10 11 12 13 14	120 222 200 264 -082 -086 -092
-2.000 -1.750 -1.500 -1.250 -1.000	.100 .088 .088 .090 .057	.097 .094 .091 .090 .084	•107 •103 •098 •095 •085 •087	•112 •109 •106 •096 •085 •094	•117 •105 •099 •101 •105 •112	•131 •130 •124 •123 •124 •125 •124	• 077 • 075 • 071 • 074 • 074 • 073 • 067	9 10 11 12 13	120 222 200 264 082 086 092 093
-2.000 -1.750 -1.500 -1.250 -1.000 750	.100 .088 .088 .090 .057 .075	.097 .094 .091 .090 .084 .076	•107 •103 •098 •095 •085 •087 •094	•112 •109 •106 •096 •085 •094 •099	.117 .105 .099 .101 .105 .112	•131 •130 •124 •123 •124 •125 •124 •127	.077 .075 .071 .074 .074 .073 .067	9 10 11 12 13 14 15	
-2.000 -1.750 -1.500 -1.250 -1.000 750 625	.100 .088 .088 .090 .057 .075 .082	.097 .094 .091 .090 .084 .076 .083	.107 .103 .098 .095 .085 .087 .094	•112 •109 •106 •096 •085 •094 •099 •101	117 105 099 101 105 112 117	•131 •130 •124 •123 •124 •125 •124 •127 •124	• 077 • 075 • 071 • 074 • 074 • 073 • 067 • 060 • 063	9 10 11 12 13 14 15 16	
-2.000 -1.750 -1.500 -1.250 -1.000 750 625 500	.100 .088 .088 .090 .057 .075 .082 .077	.097 .094 .091 .090 .084 .076 .083 .098	•107 •103 •098 •095 •085 •087 •094 •097 •104	•112 •109 •106 •096 •085 •094 •099 •101 •106	117 105 099 101 105 112 117	•131 •130 •124 •123 •124 •125 •124 •127 •124 •122	.077 .075 .071 .074 .074 .073 .067 .060	9 10 11 12 13 14 15 16 17	
-2.000 -1.750 -1.500 -1.250 -1.000 750 625 500 375	•100 •088 •088 •090 •057 •075 •082 •077 •079	.097 .094 .091 .090 .084 .076 .083 .098 .103	.107 .103 .098 .095 .085 .087 .094 .097 .104	•112 •109 •106 •096 •085 •094 •099 •101 •106 •112	117 105 099 101 105 112 117 122 117	•131 •130 •124 •123 •124 •125 •124 •127 •124 •122	.077 .075 .071 .074 .074 .073 .067 .060 .063	9 10 11 12 13 14 15 16 17 18	- 120 - 222 - 200 - 264 082 086 092 093 093 084 037 - 274
-2.000 -1.750 -1.500 -1.250 -1.000 750 625 500	.100 .088 .088 .090 .057 .075 .082 .077 .079	.097 .094 .091 .090 .084 .076 .083 .098	•107 •103 •098 •095 •085 •087 •094 •097 •104 •105	•112 •109 •106 •096 •085 •094 •099 •101 •106	.117 .105 .099 .101 .105 .112 .117 .122 .117 .119	•131 •130 •124 •123 •124 •125 •124 •127 •124 •122	.077 .075 .071 .074 .074 .073 .067 .060 .063 .070 .080	9 10 11 12 13 14 15 16 17 18 19	120 222 200 264 082 086 092 093 084 037 274 302
-2.000 -1.750 -1.500 -1.250 -1.000 750 625 500 375	•100 •088 •088 •090 •057 •075 •082 •077 •079	.097 .094 .091 .090 .084 .076 .083 .098 .103	.107 .103 .098 .095 .085 .087 .094 .097 .104	•112 •109 •106 •096 •085 •094 •099 •101 •106 •112	117 105 099 101 105 112 117 122	•131 •130 •124 •123 •124 •125 •124 •127 •124 •122	.077 .075 .071 .074 .074 .073 .067 .060 .063	9 10 11 12 13 14 15 16 17 18	- 120 - 222 - 200 - 264 082 086 092 093 093 084 037 - 274
-2.000 -1.750 -1.500 -1.500 -1.000 750 625 500 375 250 125	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .111	.097 .094 .091 .090 .084 .076 .083 .098 .103 .117 .101	.107 .103 .098 .095 .085 .087 .094 .097 .104 .105 .109	*112 *109 *106 *096 *085 *094 *099 *101 *106 *112 *117	117 105 099 101 105 112 117 112 117 119	•131 •124 •123 •124 •125 •124 •127 •124 •122 •122 •117	.077 .075 .071 .074 .074 .067 .060 .063 .070 .080 .080 .087	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.750 -1.500 -1.500 -1.000 750 625 500 375 250 125 .000	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .117	.097 .094 .091 .090 .084 .076 .083 .098 .103 .117 .101	.107 .103 .098 .095 .085 .087 .097 .104 .105 .109 .114 .120	.112 .109 .106 .096 .085 .094 .099 .101 .106 .112 .117	117 105 099 101 105 112 117 1122 117 119 116	•131 •124 •123 •124 •125 •124 •127 •124 •122 •122 •117	.077 .075 .071 .074 .074 .067 .066 .063 .070 .080 .080 .087	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.750 -1.500 -1.500 -1.000 750 625 500 375 250 125 .000	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .117	.097 .094 .091 .090 .084 .076 .083 .098 .103 .117 .101 .115	*107 *103 *098 *098 *085 *087 *094 *097 *104 *1105 *1109 *1114 *120	112 109 106 096 085 094 099 101 106 112 117	117 105 099 101 105 112 117 122 117 116 114 119	•131 •124 •123 •124 •125 •124 •127 •124 •122 •122 •117	.077 .075 .071 .074 .074 .073 .067 .060 .063 .070 .080 .087 .092 .090	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.750 -1.500 -1.500 -1.000 -750 -625 -500 -375 -250 -125 -000	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .117150179278	.097 .094 .091 .090 .084 .076 .083 .098 .103 .117 .101 .115	*107 *103 *098 *095 *085 *087 *094 *097 *104 *105 *114 *120 **114 **120	112 109 106 096 085 094 099 101 112 117 116	117 105 099 101 105 112 117 112 117 119 116 114 119	*131 *130 *124 *123 *124 *125 *124 *127 *124 *122 *117 *118	.077 .075 .071 .074 .074 .074 .067 .060 .063 .070 .080 .087 .090 .087 .092	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.750 -1.500 -1.250 -1.000 -7.750 -625 -500 -375 -250 -125 .000 -375 -500 -375 -500 -375 -500 -375	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .111 -117 -150 -179 -278	.097 .094 .091 .090 .084 .076 .083 .098 .103 .117 .101 .115	*107 *103 *098 *095 *085 *087 *097 *104 *105 *114 *120 *114 *120 *146 *146 *132 *146 *132 *146	112 109 106 096 085 094 099 101 100 112 117 116	*117 *105 *099 *101 *105 *112 *117 *112 *117 *118 *114 *119 *116 *114 *119	*131 *130 *124 *123 *124 *125 *127 *124 *122 *122 *117 *118	.077 .075 .071 .074 .074 .073 .067 .060 .063 .070 .080 .087 .092 .099 .099	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.750 -1.500 -1.500 -1.250 -1.000 -75055003752501250003752501750375250375250375300	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .117 -150 -179 -278 -250 -164	.097 .094 .091 .090 .084 .076 .083 .098 .103 .117 .101 .115 .142 -174 -240 -291 -206	*107 *103 *098 *095 *085 *087 *097 *104 *105 *110 *120 *114 *120 *114 *120 *114 *120 *114	112 109 106 096 085 099 101 1106 1112 1117 116	117 105 099 101 105 112 117 112 117 119 116 114 119	*131 *130 *124 *123 *124 *125 *124 *127 *124 *122 *117 *118	.077 .075 .071 .074 .074 .073 .067 .060 .063 .070 .080 .087 .092 .090 .092 .090	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.750 -1.500 -1.500 -1.250 -1.000750255500375255200375250375250375375350375300375300375300375300375300300375300300300300300	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .111 -1150 -179 -278 -250 -164	.097 .094 .091 .090 .084 .076 .083 .098 .103 .117 .101 .115 142 174 240 291 206 152	*107 *103 *098 *095 *085 *087 *097 *104 *105 *109 *114 *120 *132 *132 *132 *132 *132 *132 *132 *132	112 109 106 096 085 099 101 1106 1112 1117 116 -127 -131 -145 -192 -237	117 105 099 101 105 105 1101 1105 1107 1107 1117 111	*131 *130 *124 *123 *124 *125 *124 *127 *124 *122 *122 *117 *118	.077 .075 .071 .074 .074 .073 .067 .060 .063 .070 .080 .087 .092 .090 .087 .090 .087 .090 .087 .090	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.750 -1.500 -1.500 -1.250 -1.000750525500375250125000750	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .117 -150 -179 -278 -250 -164 -069 .009	.097 .094 .091 .090 .084 .076 .083 .098 .103 .117 .101 .115 .142 -174 -240 -291 -206 -152 -1097	*107 *103 *098 *095 *085 *087 *097 *104 *109 *114 *120 *114 *120 *132 *146 *192 *280 *222 *171	112 109 106 096 085 099 101 1106 1112 117 116 -127 -131 -145 -1246 -237 -200	117 105 099 101 105 112 117 112 117 119 116 114 119	*131 *130 *124 *123 *124 *125 *124 *122 *122 *117 *118	.077 .075 .071 .074 .074 .073 .067 .060 .063 .070 .080 .087 .092 .090 .092 .090 .227 .246 .156 .068	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.500 -1.500 -1.500 -1.250 -1.500750525500250125 .000 .250 .250 .375 .500 .750 1.000 1.250 1.500 1.750	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .111 -150 -179 -278 -250 -164 -069 .009	.097 .094 .091 .090 .084 .076 .083 .098 .103 .117 .101 .115 -142 -174 -2240 -291 -152 -097 -055	*107 *103 *098 *095 *085 *087 *094 *109 *1104 *1109 *1114 *120 *1132 *1146 *1192 *1192 *1192 *1192 *1192 *1193 *1193 *1194 *1193 *1194 *11	112 109 106 096 085 099 101 1106 1117 1117 1116 -127 -131 -145 -192 -237 -237 -2200 -123	117 105 099 101 105 112 117 112 117 116 116 114 119 -117 -101 -046 0031 0024	*131 *130 *124 *123 *124 *125 *124 *122 *122 *122 *117 *118	.077 .075 .071 .075 .071 .074 .074 .074 .067 .060 .063 .070 .080 .087 .092 .090 .087 .265 .265 .263 .246 .156 .068	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.750 -1.500 -1.500 -1.250 -1.000750255500275250275250275250275250275250275250275250275250275250275250275250275250275250275250275250275250275250250275250250275250	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .117 -150 -179 -278 -250 -164 -069 .009	.097 .094 .091 .090 .084 .076 .083 .098 .103 .117 .101 .115 142 174 240 291 206 152 097 055 025	*107 *103 *098 *095 *085 *087 *097 *104 *109 *114 *120 *1132 *146 *1192 *280 *222 *2171 *136 *209	112 109 106 096 085 099 101 106 112 117 116 -127 -131 -145 -246 -237 -203 -123 -123 -123 -123 -123 -123 -123 -12	117 105 099 101 105 1107 1107 1117 1117 1116 1114 1119 -117 -101 -009 0031 0024 0023	-131 -130 -124 -123 -124 -125 -124 -122 -122 -117 -010 -054 -079 -068 -046 -049	.077 .075 .071 .074 .074 .073 .067 .060 .063 .070 .080 .087 .092 .090 .277 -265 -263 -265 -356 -016	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.250 -1.500 -1.250 -1.250 -1.250 -1.250525500275250125 .000 .250 .750 1.000 1.250 1.750 2.000 2.250	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .111 -150 -179 -278 -250 -164 -069 .080 .037	.097 .094 .091 .090 .084 .076 .083 .098 .103 .117 .101 .115 142 174 220 152 097 055 025	*107 *103 *098 *095 *085 *087 *094 *097 *104 *105 *109 *114 *120 *1140 *1192 *132 *1146 *1192 *132 *136 *136 *136 *136 *136 *136 *136 *136	112 109 106 096 085 099 101 1106 1117 1117 116 -127 -131 -145 -192 -237 -237 -237 -237 -237 -237 -237 -23	117 105 099 101 105 112 117 112 117 116 114 116 119 -117 -101 -046 0031 0024 0023 0022 0040	*131 *130 *124 *123 *124 *125 *124 *127 *124 *122 *127 *118	.077 .075 .071 .075 .071 .074 .074 .067 .060 .063 .070 .080 .087 .092 .090 .087 .225 .225 .2265 .2265 .2265 .068 .068	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.750 -1.500 -1.500 -1.250	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .111 -150 -179 -278 -250 -164 -069 .000 .037 -025	.097 .094 .091 .090 .084 .076 .083 .098 .103 .117 .101 .115 142 174 240 152 097 055 025 010 .005	*107 *103 *098 *095 *085 *087 *097 *104 *1109 *114 *120 *1140 *1140 *120 *1460 *1140 *1109 *1140 *1109 *1140 *1109 *1140 *1109 *1140 *1109 *1140 *1109 *1140 *1109 *1140 *1109 *1140 *1109 *1140 *1109	112 109 106 096 085 099 101 106 112 117 116 -127 -131 -145 -192 -246 -237 -200 -123 -042 -003 -017	117 105 099 1101 1405 1102 1117 1117 1116 1116 1114 1119		.077 .075 .071 .074 .074 .073 .067 .060 .063 .010 .089 .099 .099 .099 .2265 .2265 .2265 .2265 .0166 .032 .032 .032	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.750 -1.500 -1.250 -1.000 -750525500375250125 .000 .250 .750 1.000 1.500 1.750 2.000 2.250 2.500 2.250 2.250 2.250 2.250	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .111 -150 -179 -278 -250 -164 -069 .000 .037 -025 -056	.097 .094 .091 .090 .084 .007 .083 .098 .103 .117 .101 .115 -142 -174 -240 -291 -206 -152 -005 -005 .007	*107 *103 *098 *095 *085 *087 *094 *097 *104 *1109 *1114 *120 *1120 *132 *1146 *192 *280 *222 *171 *136 *095 *095 *095 *095 *095 *097 *097 *097 *097 *097 *097 *097 *097	112 109 106 096 098 099 101 110 1117 1117 1116 -127 -131 -145 -192 -237 -2237	117 105 099 101 105 112 117 112 117 116 116 114 119 -117 -101 -046 009 031 022 022 040 043		.077 .075 .071 .074 .074 .074 .073 .067 .060 .083 .070 .080 .087 .090 .087 .227 .2265 .2265 .2265 .2265 .088 .0166 .089 .090 .089 .089 .089 .089 .089 .089	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.750 -1.500 -1.500 -1.250 -1.000750250375250125 .000 .250 .375 .500 .750 1.000 1.250 1.750 2.250 2.250 2.250 2.750 3.000	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .117 -150 -179 -278 -250 -164 -069 .009 .037 -025 -056 -056	.097 .094 .091 .090 .084 .076 .083 .098 .103 .117 .101 .115 142 174 240 152 097 055 025 025 025 025 025 025 027 037 -037	*107 *103 *098 *095 *085 *087 *109 *104 *1109 *114 *120 *1140 *120 *132 *1462 *1462 *171 *1364 *197 *197 *197 *197 *197 *197 *197 *197	112 109 106 096 085 099 101 1106 1117 117 116 -127 -131 -145 -192 -246 -227 -220 -123 -042 -002 -002 -003 -002 -003	117 105 099 1101 1405 1117 1122 1117 1116 1116 1114 1119 -1117 -1046 0031 0024 0023 0022 0043 0077		.077 .075 .071 .074 .074 .073 .067 .060 .063 .010 .089 .099 .099 .099 .2265 .2265 .2265 .2265 .0166 .032 .032 .032	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.500 -1.500 -1.500 -1.250 -1.000750250375250125 .000 .250 .750 1.000 1.250 1.750 1.000 1.250 1.500 1.750 2.000 2.250 2.500 2.250 2.350 3.500	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .111 -150 -179 -278 -250 -164 -069 .080 .037 -025 -056 -056	.097 .094 .091 .090 .084 .076 .083 .098 .103 .117 .101 .115 -142 -174 -2240 -2240 -225 -005 -005 .007 .007 .007	*107 *103 *098 *095 *085 *087 *094 *109 *1105 *1109 *1114 *120 *1120 *1132 *1146 *1192 *132 *136 *192 *1371 *139 *139 *139 *139 *139 *139 *139 *13	112 1109 1106 0996 0085 0099 1016 1117 1117 1116 -127 -1317 -145 -145 -237 -2246 -237 -2246 -237 -200 -123 -003 017 029	117 105 099 101 105 112 117 112 1117 1119 1116 1114 1119 -117 -101 -046 0031 0023 0023 0043 0043 0077	-131 -130 -124 -123 -124 -125 -124 -127 -124 -122 -127 -118	.077 .075 .071 .074 .074 .074 .073 .067 .060 .083 .070 .080 .087 .090 .087 .227 .2265 .2265 .2265 .2265 .088 .0166 .089 .090 .089 .089 .089 .089 .089 .089	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.750 -1.500 -1.500 -1.250 -1.000750625500375250375250 .375500 1.750 1.000 1.250 1.750 1.750 2.200 2.250 2.750 3.500 3.500 4.000	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .117 -150 -179 -278 -250 -164 -069 .009 .080 .037 -025 -056 -047 -028	.097 .094 .091 .090 .084 .076 .083 .098 .103 .117 .101 .115 -142 -174 -240 -291 -291 -295 -005 -005 -005 -007 .003 -003 -003 -003 -003 -003 -003 -003	*107 *103 *098 *095 *085 *087 *094 *097 *104 *105 *114 *120 *1140 *120 *132 *146 *192 *1305 *280 *222 *171 *136 *095 *069 *065 *065 *065 *065 *065 *065 *065 *065	112 109 106 096 085 099 101 1106 1112 117 116 -1127 -131 -145 -192 -237 -237 -220 -123 -042 -003 -003 -004 -004 -004 -004 -004 -005	117 105 099 101 105 1101 1105 1107 1105 1107 1117 111		.077 .075 .071 .074 .074 .074 .073 .067 .060 .083 .070 .080 .087 .090 .087 .227 .2265 .2265 .2265 .2265 .088 .0166 .089 .090 .089 .089 .089 .089 .089 .089	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.750 -1.500 -1.500 -1.250 -1.000750250375250125 .000 .250 .375 .500 .750 1.750 1.500 1.750 2.250 2.750 3.000 2.250 2.750 3.000 4.500 4.500 4.500	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .117 -150 -179 -278 -250 -164 -069 .080 .037 -025 -056 -056 -056 -056 -067 -028	.097 .094 .091 .090 .084 .076 .083 .098 .107 .101 .115 -142 -174 -2240 -2240 -226 -152 -097 -005 -005 .007 .007 .002	*107 *103 *098 *095 *085 *087 *094 *104 *109 *1109 *1109 *1120 *132 *146 *192 *132 *146 *192 *136 *192 *171 *120 *192 *171 *193 *199 *199 *199 *199 *199 *199 *19	112 1109 1106 0996 0085 0999 1101 1106 1117 1116 -127 -1145 -1237 -145 -2246 -2237 -2246 -2237 -2000 -123 -003 0017 0029 0034 0042	*117 *105 *099 *101 *105 *112 *117 *112 *117 *118 *114 *119 *117 *101 *009 *031 *023 *023 *024 *022 *040 *047 *097 *047	-131 -130 -124 -123 -124 -125 -124 -122 -127 -118 -010 -054 -079 -068 -046 -049 -049 -049 -0159 -029 -1159 -132 -176	.077 .075 .071 .074 .074 .074 .073 .067 .060 .083 .070 .080 .087 .090 .087 .227 .2265 .2265 .2265 .2265 .088 .0166 .089 .090 .089 .089 .089 .089 .089 .089	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.750 -1.500 -1.500 -1.250 -1.000750255300375255375255 .0000 .2550 1.750 1.000 1.250 1.750 2.0000 2.250 2.550	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .111 .117150179278250164069 .009 .037025056047028009	.097 .094 .091 .090 .084 .076 .083 .098 .103 .117 .101 .115 -1142 -174 -240 -291 -205 -152 -005 -005 .005 .007 .002 -003 -008 -004 -008	107 103 098 095 085 087 094 109 1104 1109 1114 120 -1132 -1146 -1192 -305 -280 -280 -099 -065 -057 -042 -039 -042 -039 -042 -043 -055	112 109 106 096 085 099 101 1106 1117 1117 1116 -127 -131 -145 -224 -2237 -2237 -2237 -2237 -2237 -2237 -2237 -2237 -2237 -224 -2237 -2246 -2247	117 105 099 101 105 1101 1102 1117 1116 1114 1119 -1117 -1117 -101 -046 0031 0024 0023 0023 0022 0040 0040 0047 0047	-010 -054 -005 -005 -005 -005 -005 -005 -00	.077 .075 .071 .074 .074 .074 .073 .067 .060 .083 .070 .080 .087 .090 .087 .227 .2265 .2265 .2265 .2265 .088 .0166 .089 .090 .089 .089 .089 .089 .089 .089	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264
-2.000 -1.500 -1.500 -1.500 -1.250 -1.000 -750525037525012500037525017502503752503752503753003753003753003753003753003753003753003753003753003003003003003003003003003003003003003003003003003000	.100 .088 .088 .090 .057 .075 .082 .077 .079 .093 .111 .117 -150 -179 -278 -250 -164 -069 .080 .037 -025 -056 -056 -056 -056 -067 -028	.097 .094 .091 .090 .084 .076 .083 .098 .107 .101 .115 -142 -174 -2240 -2240 -226 -152 -097 -005 -005 .007 .007 .002	*107 *103 *098 *095 *085 *087 *094 *104 *109 *1109 *1109 *1120 *132 *146 *192 *132 *146 *192 *136 *192 *171 *120 *192 *171 *193 *199 *199 *199 *199 *199 *199 *19	112 1109 1106 0996 0085 0999 1101 1106 1117 1116 -127 -1145 -1237 -145 -2246 -2237 -2246 -2237 -2000 -123 -003 0017 0029 0034 0042	*117 *105 *099 *101 *105 *112 *117 *112 *117 *118 *114 *119 *117 *101 *009 *031 *023 *023 *024 *022 *040 *047 *097 *047	-131 -130 -124 -123 -124 -125 -124 -122 -127 -118 -010 -054 -079 -068 -046 -049 -049 -049 -0159 -029 -1159 -132 -176	.077 .075 .071 .074 .074 .074 .073 .067 .060 .083 .070 .080 .087 .090 .087 .227 .2265 .2265 .2265 .2265 .088 .0166 .089 .090 .089 .089 .089 .089 .089 .089	9 10 11 12 13 14 15 16 17 18 19 20	120 222 200 264

Table 13
Plate and Spoiler Pressure Coefficients Configuration 8 M= 1.61 R= 0.14 x 10⁶

1-	I Down	Pari I	Day: 7	Plate	Day 0	Day 7	Bour C	Spoiler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.
				Λ= (00 0			The same of the sa
-6.000	016	023	019	019	•251	•223	-	1 •519
-5.500	021	027	023	•129	.298	•223		2 .454
-5.000	025	025	•051	.276	•312	•213		3 •424
-4.500	•078	•146	•294	.330	•318	•195		4 • 446
-4.000	•311	•313	•344	•338	•334	•179	•316	5 •515
-3.500	•352	•350	•366	.354	•344	.201	• 362	6 •635
-3.000	• 360	• 364	• 366	•359	•340	• 241	•370	7 •505
-2.750	• 356	•404	*377	•359	•338	•267	•376	8 348
-2.500 -2.250	•364	•369 •379	•377 •375	•354 •351	•336	•283 •302	•380 •382	9352
-2.000	•369	•369	.377	• 346	•324	•316	•382	11352
-1.750	•369	•371	•371	.346	. 318	•346	•382	12 •513
-1.500	•360	•360	•352	.325	•314	•370	•372	13 • 442
-1.250	•284	•344	•334	•309	•328	•396	•358	14 • 420
-1.000	•329	• 325	•311	•314	•342	•436	•338	15 • 452
750	. 257	. 21,	•311	• 335	•374	• 487	•330	16 •529
625	•329 •354	•329 •358	• 325 • 349	• 354	•410 •450	•521	•334	17 •649 18 •724
375	•389	•391	•389	• 394	• 499	•547 •573	•388	18 • 724 19 -• 350
250	•459	• 459	• 469	•523	•551	•575	• 454	20348
125	•556	• • • •	•555	*,,,,	•573	•313	• 555	21348
•000	•562	•568	•561	• 569	•569	•569	•557	22 -• 348
250	254	250		253			254	
• 250	356 356	-•358 34d	368	351			354	
• 375 • 500	356	369 362	-•373 -•378	359 359	348		-•350 -•356	
.750	362	-,369	368	354	346	356	358	
1.000	354	261	378	365	348	348	356	
1.250	350	354	365	348	354	350	342	
1.500	331	329	351	348	352	356	322	
1.750	105	311	338	336	354	356	292	
2.000	272	280	223	324	348	354	267	
2 • 250	233	249	290	304	344	354	239	
2.500	214	224	-•252 -•241	- • 285	336	358	209	
2.750 3.000	191 179	181	223	253 233	320	354 358	181 163	
3.500	136	159	161	197	283	358	-0103	
4.000	103	121	142	167	257	354		
4.500	093	109	126	143	229	344		
5.000	076	097	105	119	199	340		
5.500	082	080	094	097	165	320		
6.000	062	064	-•075	074	131	285		
				Λ= 1	.5°			
-6.000	039	023	033	030	•016	•207		1 •402 2 •354
	m - 030	031	-•041 •014	019 .212	• 233 • 296	·235		2 • 354
-5.500	039		4014					
-5.000	025	029		.325	• 314	.223		4 4 346
-5.000 -4.500	025 .177	•189	•272	•325 •338	•314	•223	•312	
-5.000 -4.500 -4.000 -3.500	025 •177 •303 •323	•189 •321 •344	• 272 • 336 • 346	•338 •343	•328 •304	•223 •139 •165	•312 •340	4 • 346 5 • 378 6 • 444
-5.000 -4.500 -4.000 -3.500 -3.000	025 .177 .303 .323 .325	•189 •321 •344 •348	• 272 • 336 • 346 • 348	•338 •343 •338	•328 •304 •255	•139 •165 •205	• 340 • 352	5 4378 6 4444 7 263
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750	025 .177 .303 .323 .325	•189 •321 •344 •348 •381	• 272 • 336 • 346 • 348 • 360	•338 •343 •338 •325	• 328 • 304 • 255 • 243	•139 •165 •205 •231	• 340 • 352 • 360	5 4378 6 444 7 263 8 -362
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500	025 •177 •303 •323 •325 •325	•189 •321 •344 •348 •381 •344	• 272 • 336 • 346 • 348 • 360 • 348	• 338 • 343 • 338 • 325 • 309	.328 .304 .255 .243	•139 •165 •205 •231 •259	• 340 • 352 • 360 • 356	5 • 378 6 • 444 7 • 263 8 • • 362 9 • • 362
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250	025 .177 .303 .323 .325 .325 .325	•189 •321 •344 •348 •381 •344	• 272 • 336 • 346 • 348 • 360 • 348 • 334	.338 .343 .338 .325 .309 .287	.328 .304 .255 .243 .237	.139 .165 .205 .231 .259	•340 •352 •360 •356 •358	5 4378 6 444 7 263 8 -362 9 -362 10 -364
-5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250	025 .177 .303 .323 .325 .325 .325 .326 .334	•189 •321 •344 •348 •381 •344 •350 •329	• 272 • 336 • 346 • 348 • 360 • 348 • 334 • 323	.338 .343 .338 .325 .309 .287 .274	.328 .304 .255 .243 .237 .239	.139 .165 .205 .231 .259 .283	• 340 • 352 • 360 • 356 • 358 • 360	5 4378 6 4444 7 263 8 -362 9 -362 10 -364 11 ~360
-5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750	-025 177 303 323 325 325 334 366 329	•189 •321 •344 •348 •381 •344 •350 •329	• 272 • 336 • 348 • 348 • 348 • 334 • 323 • 303	.338 .343 .338 .325 .309 .287 .274	.328 .304 .255 .243 .237 .239 .245	.139 .165 .205 .231 .259 .283 .304	• 340 • 352 • 360 • 356 • 358 • 360 • 364	5 4378 6 4444 7 263 8 -4362 9 -362 10 -364 11 -360 12 478
-5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250	025 .177 .303 .323 .325 .325 .325 .326 .334	•189 •321 •344 •348 •381 •344 •350 •329	• 272 • 336 • 346 • 348 • 360 • 348 • 334 • 323	.338 .343 .338 .325 .309 .287 .274	.328 .304 .255 .243 .237 .239	.139 .165 .205 .231 .259 .283 .304	• 340 • 352 • 360 • 356 • 358 • 360	5
-5.000 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.500 -1.250 -1.250 -1.000	-025 177 303 323 325 335 4366 329 323 4368 305	•189 •321 •344 •348 •381 •344 •350 •329 •331	• 272 • 336 • 348 • 348 • 360 • 348 • 334 • 323 • 303 • 294	.338 .343 .338 .325 .309 .287 .274 .279	• 328 • 304 • 255 • 243 • 237 • 239 • 245 • 249 • 263	.139 .165 .205 .231 .259 .283 .304	• 340 • 352 • 360 • 356 • 358 • 360 • 364 • 358	5 378 6 444 7 263 8 -362 9 -362 10 -364 11 360 12 478 13 428
-5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.250 -1.000 -750	-025 177 303 323 325 325 325 334 266 329 323 -117 268 305 288	• 189 • 321 • 344 • 348 • 381 • 344 • 350 • 329 • 331 • 311 • 292 • 299 • 284	• 272 • 336 • 346 • 348 • 360 • 348 • 323 • 303 • 294 • 284 • 276 • 274	.338 .343 .338 .325 .309 .287 .274 .279 .268 .263 .274	. 328 . 304 . 255 . 243 . 237 . 239 . 245 . 249 . 263 . 281 . 296 . 330	.139 .165 .205 .231 .259 .283 .304 .336 .356 .380 .400	*340 *352 *360 *356 *358 *360 *364 *358 *338 *318	5 378 6 444 7 263 8 -362 9 -362 10 -364 11 -360 12 478 13 428 14 408 15 430 16 485
-5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.500 -2.500 -1.500 -1.500 -1.250 -1.000 -750625	-025 177 303 323 325 325 325 334 8366 329 323 317 268 305 828	• 189 • 321 • 344 • 348 • 381 • 344 • 350 • 329 • 331 • 311 • 292 • 299 • 284 • 286	272 336 346 348 360 348 3348 323 323 294 284 276 274	.338 .343 .338 .325 .309 .287 .274 .279 .268 .263 .274 .295	. 328 . 304 . 255 . 243 . 237 . 239 . 245 . 249 . 263 . 281 . 296 . 330	• 139 • 165 • 205 • 231 • 259 • 283 • 304 • 336 • 356 • 380 • 400 • 430 • 438	340 352 360 356 358 360 364 338 318 318 312	5 378 6 444 7 263 8 -362 9 -362 10 -364 11 360 12 478 13 428 14 408 15 430 16 485 17 577
-5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.750 -1.500 -750 -625 -500	025 177 .303 .323 .325 .325 .326 .329 .329 .328 .305 .288	.189 .321 .344 .348 .381 .344 .350 .329 .331 .311 .292 .299 .284 .286	272 336 348 348 360 348 334 323 294 284 274 284 276 298	.338 .343 .328 .329 .287 .279 .268 .263 .274 .295 .306	.328 .304 .255 .243 .237 .239 .249 .263 .281 .296 .330 .348	.139 .165 .205 .231 .259 .283 .336 .336 .380 .400 .438 .448	*340 *352 *360 *356 *358 *360 *364 *358 *318 *318 *312 *322 *342	5
-5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.250 -1.000 -750 -625 -500 -375	025 .177 .303 .323 .325 .325 .325 .326 .329 .327 .268 .305 .288 .292 .292	.189 .321 .344 .348 .381 .344 .350 .329 .331 .211 .292 .299 .284 .286	272 336 346 348 380 348 334 322 303 229 284 276 274 282	338 343 325 309 287 274 279 268 263 274 295 306	. 328 . 304 . 255 . 245 . 237 . 237 . 239 . 245 . 245 . 249 . 261 . 296 . 330 . 348 . 376	.139 .165 .205 .231 .259 .283 .304 .336 .336 .380 .400 .438 .438	.340 .352 .360 .356 .358 .360 .358 .338 .318 .318 .312 .322 .342 .378	5
-5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -750 -6.25 -500 -375 -250	025 177 .303 .323 .325 .325 .325 .334 .366 .329 .323 .317 .268 .305 .288 .292 .292 .311	.189 .321 .344 .348 .381 .344 .350 .329 .331 .311 .292 .299 .284 .286	272 335 346 348 350 348 334 323 303 294 284 276 274 289 309 309	.338 .343 .328 .329 .287 .279 .268 .263 .274 .295 .306	. 328 .304 .255 .243 .237 .239 .245 .226 .281 .296 .330 .348 .376	.139 .165 .205 .231 .259 .283 .336 .336 .380 .400 .438 .448	*340 *352 *360 *358 *360 *358 *360 *358 *318 *312 *322 *342 *378 *434	5
-5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.250 -1.000 -750 -625 -500 -375	-025 177 203 323 325 325 325 326 327 227 228 229 229 229 221 311 354	.189 .321 .344 .348 .381 .344 .350 .329 .331 .211 .292 .299 .284 .286	272 336 346 348 380 348 334 322 303 229 284 276 274 282	338 343 325 309 287 274 279 268 263 274 295 306	. 328 . 304 . 255 . 223 . 2237 . 2239 . 2245 . 2249 . 263 . 281 . 296 . 330 . 348 . 376 . 404 . 446	.139 .165 .205 .231 .259 .283 .304 .336 .336 .380 .400 .438 .438	.340 .352 .360 .356 .358 .360 .358 .338 .318 .318 .312 .322 .342 .378	5
-5.000 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.250 -2.250 -1.750 -1.500 -1.250 -1.250 -3.750 -3	-025 177 203 223 225 225 236 236 2323 2317 268 205 288 292 291 2311 254 268	189 321 344 348 381 344 350 329 331 311 299 284 286 319 354	272 336 346 348 360 248 334 323 303 294 276 274 282 298 309 354 429 448	338 343 338 325 309 287 274 279 268 263 274 295 306 327 342 421	. 328 .304 .255 .243 .237 .239 .245 .226 .281 .296 .330 .348 .376	139 165 205 231 229 283 304 336 356 380 400 438 448 460	340 352 360 358 364 358 338 318 312 322 342 378 434 515 505	5
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	025 .177 .303 .323 .325 .325 .325 .334 .366 .329 .323 .317 .268 .305 .288 .292 .292 .211 .354 .436	189 1221 344 248 381 344 350 229 331 311 292 299 284 286 268 319 354	272 336 346 348 360 334 323 303 224 284 276 274 282 298 309 354	338 343 338 325 309 287 274 279 268 263 274 295 306 327 362 421	228 304 255 243 2237 2245 2245 2263 281 296 330 348 376 404	139 165 205 231 229 283 304 336 356 380 400 438 448 460	340 352 360 358 360 364 258 318 312 322 342 378 434 515 505	5
-5.000 -4.500 -4.000 -3.500 -3.500 -2.500 -2.500 -2.500 -2.500 -1.500	-025 177 303 323 325 325 325 326 329 3317 268 305 288 292 292 291 1354 436 457	189 321 344 348 381 344 350 329 331 311 299 284 286 219 354	272 336 346 348 360 248 334 323 303 294 284 276 274 282 298 309 354 429 448	338 343 338 325 339 287 274 279 268 263 274 295 306 327 362 421	. 328 . 304 . 255 . 243 . 237 . 239 . 245 . 249 . 263 . 281 . 296 . 330 . 348 . 376 . 404 . 456 . 468	139 165 205 231 229 283 304 336 356 380 400 438 448 460	340 352 360 356 358 364 358 318 312 322 342 378 434 515 505	5
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.250 -1.250 -1.250 -1.250 -1.250 -3.75 -2.500 -3.75 -2.500 -3.75 -3.500 -3.75 -3.500	-025 177 303 323 325 325 334 366 329 327 268 305 288 292 292 291 311 354 436 457	189 321 344 348 381 348 350 329 331 311 292 299 284 286 268 319 354 453	272 336 348 348 3560 334 323 303 294 224 226 274 227 229 309 354 448	338 343 338 325 309 287 274 279 288 283 274 295 306 3277 3461 -357 -388	228 304 255 243 237 2245 2245 2245 2263 281 296 330 348 376 404 446	139 165 205 221 2231 2259 283 304 336 336 400 440 438 440 448	*340 *352 *356 *358 *360 *358 *364 *318 *312 *322 *342 *378 *434 *515 *505	5
-5.000 -4.500 -4.000 -3.500 -3.500 -2.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.250	-025 177 1303 1223 1325 1325 1326 1329 1329 1317 1268 1305 1288 1292 1311 1354 1436 1457 1373 1373 1373 1373 1375 1373 1375 1	189 321 344 348 381 381 350 329 331 311 299 284 286 268 319 354 -375 -375 -383	272 336 346 348 360 248 334 323 303 294 284 276 274 282 298 309 354 429 448	338 343 338 325 339 287 274 279 268 263 274 295 3362 421 461 -357 -368 -362 -337	- 328 - 304 - 255 - 243 - 237 - 239 - 245 - 269 - 269 - 330 - 334 - 376 - 404 - 456 - 468	139 165 205 221 259 283 304 336 336 430 440 440 440 446	340 352 360 356 358 364 358 318 3112 322 342 378 434 515 505 -358 -358 -358 -358	5
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.550 -2.550 -2.550 -1.5500 -1.5500 -1.5500 -1.5500 -1.5500 -3.750 -2.500 -3.75	025	189 321 344 348 381 348 381 344 350 329 331 311 299 284 286 288 319 354 453 -375 -375 -383 -272	272 336 348 348 3560 334 323 303 294 224 226 274 227 229 309 354 448	338 343 338 325 309 287 274 279 288 283 274 295 306 3277 3461 -357 -388	228 304 255 243 237 2245 2245 2245 2263 281 296 330 348 376 404 446	139 165 205 221 2231 2259 283 304 336 336 400 440 438 440 448	*340 *352 *356 *358 *360 *358 *364 *318 *312 *322 *342 *378 *434 *515 *505	5
-5.000 -4.500 -4.000 -3.500 -3.500 -2.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.250	-025 177 1303 1223 1325 1325 1326 1329 1329 1317 1268 1305 1288 1292 1311 1354 1436 1457 1373 1373 1373 1373 1375 1373 1375 1	189 321 344 348 381 381 350 329 331 311 299 284 286 268 319 354 -375 -375 -383	272 336 346 348 360 348 334 323 303 294 276 274 282 298 309 354 429 448	338 349 338 328 328 327 309 227 274 279 288 289 377 306 327 362 421 461 -357 -368 -362 -336	- 228 - 304 - 255 - 243 - 237 - 237 - 245 - 245 - 263 - 281 - 296 - 330 - 348 - 376 - 468 - 468	139 165 205 231 259 283 304 336 336 336 400 440 448 440 448	340 9352 9360 9358 9364 9358 9364 9358 9318 9312 9342 9342 9342 9342 9343 9515 9505 9605 9	5
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.250 -2.500 -1.750 -1.500 -1.500 -1.750 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	-025 177 1303 1323 1325 1325 1325 1326 1329 1327 1268 1305 1288 1292 1311 1354 1436 1457 1373 1364 1371 1373 1366 1373 1374 1375 1	189 321 344 348 391 344 350 329 331 311 299 284 286 268 319 355 -375 -383 -272 -371 -340 -313	272 336 346 348 350 348 334 323 303 294 284 276 274 282 298 309 354 429 448 -386 -384 -386 -373 -382 -384	338 343 338 325 309 287 274 279 268 263 274 295 306 327 362 421 461	- 328 - 304 - 255 - 243 - 237 - 239 - 245 - 229 - 263 - 330 - 348 - 376 - 404 - 456 - 468 - 354 - 358 - 358	139 165 205 231 259 283 304 335 336 400 430 438 460 466	340 352 360 356 358 364 4358 4318 3112 322 342 378 434 4515 505 -358	5
-5.000 -4.500 -4.000 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.250 -1.000 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1	-025 177 303 323 325 325 325 326 327 327 268 305 288 292 292 292 291 311 354 457 -373 -364 -371 -375 -369 -380 -329 -107	189 321 344 348 381 344 350 329 331 311 299 284 286 319 354 453 -375 -375 -383 -272 -371 -340 -313 -288	272 336 346 348 360 248 334 323 303 294 284 276 272 298 309 354 429 448 -386 -384 -386 -373 -362 -341 -229	338 343 338 325 309 287 274 279 288 263 274 295 306 327 3421 461 -357 -365 -365 -365 -384 -3326	- 228 - 304 - 255 - 243 - 227 - 239 - 245 - 249 - 263 - 281 - 296 - 330 - 348 - 376 - 446 - 446 - 455 - 468	139 165 205 2231 2231 2259 283 304 3356 336 400 4438 440 448 446 468	340 352 360 358 364 358 318 312 322 342 378 4315 505 -358	5
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.250	-025 -177 -303 -323 -325 -325 -325 -334 -366 -329 -323 -317 -268 -392 -292 -311 -354 -436 -457 -373 -364 -371 -375 -369 -380 -329 -107 -261 -222	189 321 344 348 391 344 350 329 331 311 299 284 286 319 354 -379 -375 -375 -375 -375 -371 -340 -313 -288	272 336 346 348 350 348 323 303 294 284 276 274 282 298 309 354 429 448 -378 -384 -384 -384 -373 -384 -384 -373 -384 -384 -373 -384 -384 -373 -384 -384 -384 -384 -384 -384 -384 -38	338 343 338 325 309 287 274 279 268 263 2774 295 306 327 362 421 461 -357 -368 -362 -3365 -360 -352 -344 -3362 -316	- 328 - 304 - 255 - 243 - 237 - 239 - 245 - 245 - 263 - 281 - 296 - 330 - 348 - 376 - 446 - 456 - 358 - 358	139 165 205 231 259 283 304 336 336 400 440 4438 460 466	340 352 360 356 358 360 364 358 318 312 322 342 378 434 515 505 -358 -358 -358 -360 -358 -358 -360 -260	5
-5.000 -4.500 -4.000 -3.500 -3.500 -2.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.250	-025 177 303 323 325 325 325 326 329 323 317 228 305 288 292 291 311 354 436 457 -373 -364 -371 -375 -369 -329 -107 -261 -222 -196	189 321 344 348 381 344 350 329 331 311 299 284 286 289 319 354 453 -375 -375 -375 -375 -383 -272 -311 -340 -313 -288 -288	272 336 346 348 360 248 334 323 303 294 284 276 274 282 298 309 354 429 448 -386 -384 -386 -384 -386 -384 -386 -384 -386 -384 -386 -384 -386 -384 -386 -384 -386 -386 -386 -386 -386 -386 -386 -386	338 343 338 325 339 287 274 279 268 263 274 295 306 327 362 421 461 -357 -368 -362 -3357 -366 -37352 -3752 -375	228 295 227 227 237 245 2249 263 281 296 330 348 376 404 446 445 468	139 165 205 2231 2231 2259 283 304 3356 336 400 4438 440 448 446 446 466	-340 -352 -360 -358 -364 -358 -364 -358 -318 -312 -322 -342 -378 -315 -358 -354 -358 -360 -257 -287 -287 -227 -239	5
-5.000 -4.500 -3.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.250 -1	-025 -177 -303 -323 -325 -325 -325 -327 -328 -327 -268 -305 -288 -292 -292 -311 -354 -457 -373 -364 -375 -369 -329 -320 -321 -371 -375 -369 -329 -320 -320 -320 -320 -320 -320 -320 -320	. 189 . 321 . 344 . 348 . 381 . 344 . 350 . 329 . 331 . 311 . 292 . 299 . 286 . 286 . 287 . 375 . 375 . 375 . 383 . 2772 . 371 . 380 . 272 . 371 . 380 . 272 . 371 . 380 . 272 . 373 . 288 . 289 . 289 . 289 . 289 . 280	- 272 - 336 - 348 - 356 - 348 - 356 - 334 - 323 - 303 - 294 - 286 - 274 - 282 - 298 - 386 - 384 - 388 - 386 - 384 - 386 - 386 - 384 - 386 - 386	338 343 338 325 309 287 274 279 288 263 274 295 306 327 3461 -357 -388 -3862 -3365 -344 -3357 -3464 -326 -3360 -352 -344 -326	- 328 - 304 - 255 - 243 - 237 - 239 - 245 - 245 - 263 - 281 - 296 - 330 - 346 - 446 - 446 - 446 - 448 - 354 - 356 - 358 - 358	139 165 205 231 259 283 304 336 336 400 440 4438 440 466	*340 *352 *358 *358 *360 *358 *328 *318 *312 *322 *342 *378 *434 *515 *505 *358 *358 *358 *358 *358 *358 *358 *35	5
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.250 -1	-025 177 1303 2323 225 225 2325 2326 2329 2317 268 205 288 292 211 254 436 457 -373 -360 -329 -326 -371 -375 -360 -329 -107 -261 -173 -154	. 189 . 321 . 344 . 348 . 381 . 344 . 350 . 329 . 331 . 311 . 299 . 284 . 286 . 288 . 319 . 354 . 375 . 375 . 375 . 383 . 272 . 371 . 340 . 313 . 288 . 289 . 289 . 289 . 289 . 319 . 311 . 312 . 389 . 323 . 210 . 185	272 336 346 348 360 348 334 323 303 294 284 276 274 282 298 309 354 429 448 -386 -384 -386 -384 -386 -384 -384 -386 -384 -386 -384 -384 -386 -384 -386 -384 -386 -384 -386 -386 -386 -386 -386 -386 -386 -386	338 343 338 225 309 287 274 279 268 263 274 295 306 327 327 421 441 441 -357 -362 -357 -362 -357 -362 -357 -362 -357 -362 -377 -362 -377 -362 -377 -362 -377 -377 -377 -377 -377 -377 -377 -37	- 328 - 304 - 255 - 243 - 237 - 239 - 245 - 226 - 320 - 348 - 376 - 404 - 446 - 456 - 468 - 358 - 356 - 358 - 356 - 358 - 356 - 358 - 356 - 358 - 356 - 358 - 356 - 356	- 139 - 165 - 205 - 221 - 259 - 283 - 336 - 336 - 336 - 440 - 440 - 440 - 440 - 440 - 360 - 360 - 360 - 360 - 360 - 366 - 366	-340 -352 -360 -358 -364 -358 -364 -358 -318 -312 -322 -342 -378 -315 -358 -354 -358 -360 -257 -287 -287 -227 -239	5
-5.000 -4.500 -3.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.500 -3.75 -500 -3.75 -2.500 -3.75 -3.7	-025 -177 -303 -323 -325 -325 -325 -327 -268 -329 -327 -268 -305 -288 -292 -292 -311 -354 -437 -373 -369 -369 -329 -107 -261 -222 -113	. 189 . 321 . 344 . 348 . 381 . 344 . 350 . 329 . 331 . 311 . 299 . 284 . 286 . 288 . 319 . 354 . 453 . 375 . 375 . 383 . 272 . 371 . 340 . 313 . 288 . 259 . 233 . 210 . 185 . 156	272 336 348 360 348 360 348 334 323 303 294 276 276 278 288 309 354 429 448 -388 -388 -388 -388 -3884	338 349 338 328 329 287 274 279 288 283 274 295 306 327 3461 -357 -362 -377 -366 -377 -366 -377 -366 -377 -366 -377 -366 -377 -366 -377 -366 -377 -366 -377 -366 -377 -366 -377 -366 -377 -377	- 328 - 304 - 255 - 249 - 2237 - 2237 - 2249 - 2249 - 2263 - 281 - 296 - 330 - 348 - 376 - 446 - 446 - 446 - 446 - 458 - 358 -	139 165 205 2251 2251 2259 283 304 3356 3360 400 430 4438 4466	*340 *352 *358 *358 *360 *358 *328 *318 *312 *322 *342 *378 *434 *515 *505 *358 *358 *358 *358 *358 *358 *358 *35	5
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.500 -1.500 -1.250 -1	-025 -177 -303 -323 -325 -325 -325 -334 -366 -329 -323 -317 -268 -305 -288 -292 -311 -354 -436 -457 -373 -360 -329 -107 -261 -222 -196 -173 -154 -113 -093	. 189 . 321 . 344 . 348 . 381 . 344 . 350 . 329 . 331 . 311 . 299 . 284 . 286 . 219 . 354 . 453 . 375 . 375 . 375 . 383 . 272 . 340 . 313 . 288 . 288 . 289 . 288 . 288 . 288 . 319 . 375 . 383 . 272 . 340 . 313 . 288 . 289 . 289 . 288 . 288 . 289 . 319 . 311 . 340 . 311 . 389 . 288 . 289 . 289 . 289 . 289 . 289 . 289 . 311 . 340 . 311 . 389	272 336 246 248 360 248 334 323 303 294 276 274 282 298 309 354 429 448 -386 -386 -386 -384 -386 -384 -386 -384 -386 -384 -386 -384 -386 -384 -386 -384 -386 -384 -386 -384 -386 -386 -386 -386 -386 -386 -386 -386	338 343 338 325 309 287 274 279 268 263 274 295 306 327 362 421 461 -357 -362 -357 -362 -357 -362 -357 -362 -357 -362 -37 -362 -37 -362 -37 -362 -37 -362 -37 -362 -37 -362 -37 -362 -37 -362 -37 -37 -386 -386 -387 -387 -386 -387 -387 -387 -387 -387 -387 -387 -387	- 328 - 304 - 255 - 243 - 237 - 239 - 245 - 226 - 330 - 348 - 376 - 404 - 456 - 468 - 358 - 356 - 358 - 356 - 358 - 358	- 139 - 165 - 205 - 231 - 259 - 283 - 304 - 336 - 336 - 430 - 430 - 430 - 438 - 466 - 360 - 360 - 356 - 352 - 354 - 354 - 354 - 360 - 356 - 360 - 356 - 360 - 356 - 360 - 360	*340 *352 *358 *358 *360 *358 *328 *318 *312 *322 *342 *378 *434 *515 *505 *358 *358 *358 *358 *358 *358 *358 *35	5
-5.000 -4.500 -3.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.500 -3.75 -500 -3.75 -2.500 -3.75 -3.7	-025 -177 -303 -323 -325 -325 -325 -327 -268 -329 -327 -268 -305 -288 -292 -292 -311 -354 -437 -373 -369 -369 -329 -107 -261 -222 -113	. 189 . 321 . 344 . 348 . 381 . 344 . 350 . 329 . 331 . 311 . 299 . 284 . 286 . 288 . 319 . 354 . 453 . 375 . 375 . 383 . 272 . 371 . 340 . 313 . 288 . 259 . 233 . 210 . 185 . 156	272 336 348 360 348 360 348 334 323 303 294 276 276 278 288 309 354 429 448 -388 -388 -388 -388 -3884	338 349 338 328 329 287 274 279 288 283 274 295 306 327 3461 -357 -362 -377 -366 -377 -366 -377 -366 -377 -366 -377 -366 -377 -366 -377 -366 -377 -366 -377 -366 -377 -366 -377 -366 -377 -377	- 328 - 304 - 255 - 249 - 2237 - 2237 - 2249 - 2249 - 2263 - 281 - 296 - 330 - 348 - 376 - 446 - 446 - 446 - 446 - 458 - 358 -	139 165 205 2251 2251 2259 283 304 3356 3360 400 430 4438 4466	*340 *352 *358 *358 *360 *358 *328 *318 *312 *322 *342 *378 *434 *515 *505 *358 *358 *358 *358 *358 *358 *358 *35	5
-5:000 -4:500 -4:500 -3:500 -3:500 -3:500 -3:500 -2:500 -2:500 -1:500 -1:500 -1:500 -1:500 -1:500 -3:750 -2:500 -3:75 -2:500 -3:75 -2:500 -3:75 -2:500 -3:75 -2:500 -3:75 -3:500 -3:500 -3:500 -3:500 -3:75 -3:500 -3	025 .177 .303 .323 .325 .325 .325 .334 .366 .329 .327 .268 .305 .288 .292 .292 .311 .354 .436 .457373364371375369329107261221113093074	. 189 . 321 . 344 . 348 . 381 . 349 . 350 . 329 . 331 . 311 . 299 . 284 . 286 . 288 . 319 . 354 . 453 . 375 . 375 . 375 . 375 . 383 . 272 . 371 . 340 . 313 . 288 . 289 . 210 . 185 . 186 . 186 . 115	272 336 346 348 360 348 360 348 334 323 303 294 276 276 277 282 298 309 354 429 448 -386 -384 -386 -373 -362 -341 -282 -298 -229 -229 -229 -229 -229 -229	338 349 338 328 328 329 287 274 279 288 289 274 295 306 327 362 421 461 -357 -362 -386 -386 -386 -386 -386 -386 -386 -386	- 328 - 304 - 255 - 243 - 237 - 239 - 245 - 245	139 165 205 2251 2251 2259 283 304 3356 3360 400 430 4438 4466	*340 *352 *358 *358 *360 *358 *328 *318 *312 *322 *342 *378 *434 *515 *505 *358 *358 *358 *358 *358 *358 *358 *35	5

Table 13 Continued
Plate and Spoiler Pressure Coefficients

Configuration	8	M= 1.61	R=	0.14	X 10.6
Comigaranon		141- 7407	111-	CATA	V 10

		Config	guration 8	M= 1	•61	R= 0.14	X 10 6		
	Market Land	JU nice	T. Carrier	Plate				Spoi	iler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	30°				
-6.000	049	039	029	040	022	020	The Landson	1	• 497
-5.500 -5.000	047	037	031	043	016	•074		2	• 440
-4.500	•231	037 .140	039 .132	035 .225	•121 •298	• 241		3 4	• 380
-4.000	•305	•307	•311	•317	•334	•269 •225	.302	4 5	• 378
-3.500	•311	•327	•346	• 333	•320	•137	• 298	6	.591
-3.000	•309	•334	.342	•317	•213	•173	.294	7	.354
-2.750	•311	• 369	•336	.284	•185	189	• 296	8	382
-2.500	•299	•321	•313	•233	•175	•209	.290	9	400
-2.250	•311	• 305	•272	•188	•169	•271	.287	10	404
-2.000	• 251	• 251	•231	•161	•173	•350	• 275	11	398
-1.750 -1.500	•208	• 212 • 173	•183 •163	• 156 • 153	•173 •189	•448	• 257 • 241	12	• 320
-1.250	•091	•152	•152	•148	•237	•603	.225	13	• 271 • 255
-1.000	•140	•146	•145	•172	•316	•655	.205	15	• 273
750	•150	•169	•182	.252	•438	•655	.191	16	• 306
625	•173	•208	• 236	• 322	•499	•633	.187	17	• 354
500	•200	•292	• 306	• 402	•545	•609	.199	18	• 356
375	•344	•379	0394	• 494	•573	•587	.223	19	332
250 125	• 449	•471	.502	•550	•579	•567	• 275	20	334
•000	•513	•523	•547 •518	•523	•555 •525	•529	• 364	21 22	334 334
					***	,			• > > 4
• 250 • 375	404	-•391 -•399	-•389 -•400	376 378	364		330 334	The second	
.500	422	408	413	392	364		332		
•750	412	-,410	408	384	364	346	332		
1.000	377	274	394	389	366	338	334		
1.250	342	340	362	360	364	334	326		
1.500	307	294	333	344	360	338	308		
1.750	-•101 -•243	261	- 4298	320	356	332	279	1000	
2.250	206	237 202	201 247	298	348	330	251	HE TO SEE	
2.500	191	181	199	279 253	336 326	336 332	221 201	2 36 10 10 17	
2.750	171	167	193	235	316	328	179		
3.000	165	152	180	215	298	332	159	De l'en l'al	
3.500	109	142	140	181	271	328		Delta de Partir	
4.000	•006	109	134	159	243	326			
4.500	.047	091	123	133	227	322		ability of the	
5.000	•021	056	105	115	203	310		1.20	
5.500	•006	•004 •031	091	103 097	189 179	302 289			
					15°				
100									
-6.000 -5.500	031 041	037 035	033	035	024	028 024		1 2	•583 •581
-5.000	033	041	047	038	014	010		3	•575
-4.500	•047	029	029	021	•012	.193		4	.599
-4.000	•233	•130	•064	•115	•265	.308	• 273	5	0645
-3.500	•284	•274	•272	•298	•332	.213	• 271	6	.684
-3.000	•284	•307	•305	•319	•300	.145	• 269	7	•020
-2.750	•292	• 340	•317	•314	•213	.169	• 261	8	422
-2.500 -2.250	•288 •305	• 294	•305 •278	•282	•165	• 209	• 255	9	- 432
-2.000	•231	.245	•216	•148	•143 •141	• 302 • 426	• 233 • 201	11	434
-1.750	•185	•183	•167	•145	•165	•549	.167	12	•318
-1.500	•156	•142	•140	•134	•211	.627	•131	13	• 289
-1.250	•078	•132	•140	•150	•312	•667	•107	14	. 263
-1.000	•117	•150	•169	•231	• 442	.686	•092	15	• 251
750	•177	• 237	•274	•384	•571	•673	•109	16	• 292
625 500	•270	•329 •391	• 365 • 464	• 472 • 547	•597 •613	.657 .643	•129 •169	17 18	• 362 • 372
375	• 496	•535	•547	•588	•623	.623	• 227	19	352
250	•572	•581	•585	•617	•611	.605	• 298	20	344
125	•593		•590	****	•601	*****	•348	21	312
.000	•570	•570	•566	•571	•579	•577	•332	22	316
	-•434	428	424	413			344		
•250		441	429	424	402		350		
• 375	434		437	427	398		358	THE REAL PROPERTY.	
• 375 • 500	453	443			394	390	352	A CONTRACTOR OF THE PARTY OF TH	
• 375 • 500 • 750	-•453 -•447	451	443	432					
•375 •500 •750 1•000	-•453 -•447 -•428	451 321	-•443 -•435	435	394	374	350	BELLEVILLE ST.	
•375 •500 •750 1•000 1•250	453 447 428 410	-•451 -•321 -•418	-•443 -•435 -•429	435 408	-•394 -•390	350	342		
.375 .500 .750 1.000 1.250 1.500	453 447 428 410 385	-•451 -•321 -•418 -•397	-•443 -•435 -•429 -•410	-•435 -•408 -•390	-•394 -•390 -•384	350 330	342 350		
• 375 • 500 • 750 1 • 000 1 • 250 1 • 500 1 • 750	453 447 428 410 385 159	451 321 418 397 379	443 435 429 410	- 435 - 408 - 390 - 372	-•394 -•390 -•384 -•370	350 330 318	342 350 356		
.375 .500 .750 1.000 1.250 1.500	- 453 - 447 - 428 - 410 - 385 - 159 - 276 - 4086	-•451 -•321 -•418 -•397	- 443 - 435 - 429 - 410 - 402 - 300	-•435 -•408 -•390	-•394 -•390 -•384	350 330 318 310	342 350 356 336		
• 375 • 500 • 750 1 • 000 1 • 250 1 • 500 1 • 750 2 • 000 2 • 250 2 • 500	453 447 428 410 385 159 276 086	451 321 418 397 379 362 307 167	- 443 - 435 - 429 - 410 - 402 - 300 - 384 - 338	- 435 - 408 - 390 - 372 - 366 - 358 - 342	394 390 384 370 358 344 332	350 330 318 310 306 308	342 350 356 336 310 283		
*375 *500 *750 1*000 1*250 1*500 1*750 2*000 2*250 2*750	453 447 428 410 385 159 276 086 .019	451 321 418 397 379 362 307 167 025	- 443 - 435 - 429 - 410 - 402 - 300 - 384 - 338	- 435 - 408 - 390 - 372 - 366 - 358 - 342 - 314	- 394 - 390 - 384 - 370 - 358 - 344 - 332 - 328	350 330 318 310 306 308 320	- *342 - *350 - *356 - *336 - *310 - *283 - *247		
*375 *500 *750 1.000 1.250 1.500 1.750 2.000 2.250 2.500 2.500 3.000	453 447 428 410 385 159 276 086 .019	451 321 418 397 379 362 307 167 025	443 435 429 410 402 300 384 338 327 274	- 435 - 408 - 390 - 372 - 366 - 358 - 342 - 314	- 394 - 390 - 384 - 370 - 358 - 344 - 332 - 328 - 332	350 330 318 310 306 308 320 352	342 350 356 336 310 283		
*375 *500 *750 1*000 1*250 1*500 1*750 2*000 2*250 2*500 2*750 3*000	453 447 428 410 385 159 276 008 0019 023 012 000	- 451 - 321 - 418 - 397 - 379 - 362 - 307 - 167 - 025 - 016	- 443 - 435 - 429 - 410 - 402 - 300 - 384 - 338 - 327 - 274 - 035	- 435 - 408 - 390 - 372 - 366 - 358 - 342 - 314 - 265	- 394 - 390 - 384 - 370 - 358 - 344 - 332 - 328 - 332 - 338	- 350 - 330 - 318 - 310 - 306 - 308 - 320 - 352 - 338	- *342 - *350 - *356 - *336 - *310 - *283 - *247		
*375 *500 *750 1.000 1.250 1.500 1.750 2.000 2.250 2.500 2.750 3.000 3.500 4.000	- 453 - 447 - 428 - 410 - 385 - 159 - 276 - 008 - 019 - 023 - 012 - 000	- 451 - 321 - 418 - 397 - 379 - 362 - 307 - 167 - 025 - 016 - 004	- 443 - 435 - 429 - 410 - 402 - 300 - 384 - 338 - 327 - 274 - 035 - 021	- 435 - 408 - 390 - 372 - 366 - 358 - 342 - 314 - 314 - 225	- 394 - 390 - 384 - 370 - 358 - 344 - 332 - 328 - 332 - 338 - 332	- 350 - 330 - 318 - 310 - 306 - 308 - 320 - 352 - 338 - 324	- *342 - *350 - *356 - *336 - *310 - *283 - *247		
*375 *500 *750 1*000 1*250 1*500 1*750 2*000 2*500 2*750 3*500 4*000 4*500	453 447 428 410 385 159 276 008 012 000 008 014	451 321 418 397 362 307 167 025 016 004 002 014	- 443 - 435 - 429 - 410 - 402 - 300 - 384 - 338 - 327 - 274 - 035 - 021 - 019	- 435 - 408 - 390 - 372 - 366 - 358 - 342 - 314 - 265 - 265 - 195	- 394 - 390 - 384 - 370 - 358 - 334 - 332 - 332 - 332 - 338 - 332 - 338 - 332	- 350 - 330 - 318 - 310 - 306 - 308 - 320 - 352 - 338 - 324 - 318	- *342 - *350 - *356 - *336 - *310 - *283 - *247		
*375 *500 *750 1 *000 1 *250 1 *500 1 *750 2 *000 2 *250 2 *500 2 *750 3 *000 3 *500 4 *000	- 453 - 447 - 428 - 410 - 385 - 159 - 276 - 008 - 019 - 023 - 012 - 000	- 451 - 321 - 418 - 397 - 379 - 362 - 307 - 167 - 025 - 016 - 004	- 443 - 435 - 429 - 410 - 402 - 300 - 384 - 338 - 327 - 274 - 035 - 021	- 435 - 408 - 390 - 372 - 366 - 358 - 342 - 314 - 314 - 225	- 394 - 390 - 384 - 370 - 358 - 344 - 332 - 328 - 332 - 338 - 332	- 350 - 330 - 318 - 310 - 306 - 308 - 320 - 352 - 338 - 324	- *342 - *350 - *356 - *336 - *310 - *283 - *247		

Table 13 Continued
Plate and Spoiler Pressure Coefficients Configuration 8 M= 1.61 R= 0.14 x 106

				Plate				Spoi	ler
x,in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	101
	1.			Λ=	60 °				
-6.000 -5.500	035	043	047	038	022	028 028		1	• 416
-5.000	039	047 047	045	038	020			2 3	• 410
	033			046	022	026			• 414
-4.500		043	047	030	022	016		4	• 406
-4.000	•000	041	041	030	•006	•131	• 187	5	• 396
-3.500	•109	•019	010	.024	•183	•302	.205	6	.382
-3.000	•181	•163	•165	•207	•273	•229	•217	7	163
-2.750	•200	• 245	.210	•233	•275	•161	•213	8	402
-2.500	•210	•214	•226	• 239	•259	•195	•213	9	430
-2.250	• 241	• 226	•222	.233	•203	• 283	.205	10	436
-2.000	•204	•214	•222	.223	•139	•362	•195	11	440
-1.750	•210	•212	•206	•169	•145	•436	.175	12	.298
-1.500	•169	•169	•136	•121	•207	•478	.141	13	.294
-1.250	•056	•113	•109	•148	•294	•483	•113	14	.302
-1.000	•107	•132	•156	.233	•398	.470	•123	15	.318
750	•179	•237	•271	• 359	• 446	.460	• 167	16	.324
625	• 255	•331	.338	•389	.440	• 448	•215	17	•316
500	•352	• 360	•389	•410	•436	• 442	. 247	18	.229
375	•377	•418	•392	•410	•430			19	
					430	•432	• 269		372
250	• 414	•408	•402	• 421	• 428	•426	•294	20	342
125	•414		• 405		6422		•298	21	292
•000	• 463	• 467	• 469	•467	• 487	•480	• 298	22	289
•250	410	408	394	384			370		
•375	436	443	427	410	366		366	The second	
•500	457	461	456	440	~•388		380		
•750	453	467	456	448	416	366	348		
1.000	375	303	451	461	416	316	324		
1.250	226	344	424	426	402	296	306		
1.500	111	224	351	418	384	298	328		
1.750	•089	119	258	390	~.360	302	360		
2.000	016	072	097	348	344	314	261		
2.250	.000	060	075	287	~.332	338	131		
2.500	016	043	024	215	~.332	360	052	12300	
2.750	025	035	030	143	~.336	352	016		
3.000	045								
3.500	066	-•035	019	062	~.350	340	.000		
	066	051	003	020	340	328			
4.000	084	043	019	006	285	344			
4.500	091	045	030	•010	217	350			
5.000	078	039	024	•006	113	334			
5.500	074	031	030	•002	076	324			
6.000	074	039	024	•010	060	314			
				Λ=	75°				
-6.000	031	033	035	040	024	028		1	•090
-5.500	029	037	035	038	026	028		2	.090
-5.000	031	039	043	051	024	034		3	•092
-4.500	031	033	033	032	022	030		4	.080
-4.000	025	035	035	038	028	020	• 056	5	.066
-3.500	•014	025	035	038	004	139	.050	6	.050
-3.000	.058	•033	•023	•040	•109	•193	•050	7	306
-2.750	•062	•115	•056	•078	•135	•183	.046	8	167
-2.500	.070	•080	•084	.107	145	•161	•054	9	225
-2.250	•115	•093	•105	.110	133	•145	.048	10	328
-2.000	.076	•089	•103	•107	121	•133	.048		
								11	370
-1 • 750 -1 • 500	•086	•089	•095	•107	•105	•129	•048	12	• 066
-1.500	•070	•074	•095	•097	•099	•125	•050	13	•070
-1.250	•039	•070	•084	•078	•097	•125	•050	14	•072
-1.000	•062	•072	•067	•075	•101	•119	• 046	15	•082
750	•045	•070	•072	•086	•109	•121	•038	16	•082
-•625	•037	•093	•072	•091	.101	•113	.042	17	.068
500	•062	•076	.080	•097	•105	•115	.048	18	.012
375	•062	•115	•078	•099	•111	•109	•058	19	233
	•097	•097	•086	•126	•109	.105	.066	20	209
250			•083		.105		.074	21	157
-•250 -•125	•093		•118	•123	•125	•127	•070	22	096
250	•093 •119	•156	.110						
250 125 .000	•119						257		
-•250 -•125 •000	•119	142	142	126	105		-•257 -•239	The last teles	
250 125 .000 .250 .375	•119 ••161 ••165	-•142 -•175	-•142 -•166	-•126 -•137	105		239		
250 125 .000 .250 .375	•119 ••161 ••165 ••179	-•142 -•175 -•177	-•142 -•166 -•188	126 137 145	107	- 000	239 229		
- 250 - 125 - 000 - 250 - 375 - 500 - 750	•119 ••161 ••165 ••179 ••138	142 175 177 171	-•142 -•166 -•188 -•166	126 137 145 137	107 097	058	239 229 239		
250 125 . 000 . 250 . 375 . 500 . 750 1.000	•119 -•161 -•165 -•179 -•138 -•105	142 175 177 171 078		126 137 145 137 110	107 097 086	006	239 229 239 161		
250 125 .000 .250 .375 .500 .750 1.000	•119 -•161 -•165 -•179 -•138 -•105 -•144	142 175 177 171 078 089	142 166 188 166 150 129	126 137 145 137 110 052	107 097 086 078	006	239 229 239 161 062		
- 250 - 125 - 000 - 250 - 375 - 500 - 750 1 000 1 250 1 500	•119 -•161 -•165 -•179 -•138 -•105 -•144 -•134	142 175 177 171 078 089	142 166 188 166 150 129	126 137 145 137 110 052 008	107 097 086 078 070	006 .002 .010	239 229 239 161 062 026		
- 250 - 125 0000 250 375 500 750 1000 1 250 1 500 1 750	•119 -•161 -•165 -•179 -•138 -•105 -•144 -•134 -•016	142 175 177 171 078 089 078	142 166 188 166 150 129	126 137 145 137 110 052 008	107 097 086 078 070 058	006	239 229 239 161 062 026 018		
- 250 - 125 - 000 - 250 - 375 - 500 - 750 1 000 1 250 1 500 1 750 2 000	*119 -*161 -*165 -*179 -*138 -*105 -*144 -*134 -*016	142 175 177 171 078 089	142 166 188 166 150 129 105 110	126 137 145 137 110 052 008 .014	107 097 086 078 070	006 .002 .010	239 229 239 161 062 026		
- 250 - 125 0000 250 375 500 750 1000 1 250 1 500 1 750	•119 -•161 -•165 -•179 -•138 -•105 -•144 -•134 -•016	142 175 177 171 078 089 078	142 166 188 166 150 129 105	126 137 145 137 110 052 008	107 097 086 078 070 058	006 .002 .010 .038	239 229 239 161 062 026 018		
- 250 - 125 - 000 - 250 - 375 - 500 - 750 1 000 1 250 1 500 1 750 2 000	*119 -*161 -*165 -*179 -*138 -*105 -*144 -*134 -*016	142 175 177 171 078 089 078 089		126 137 145 137 110 052 008 .014	107 097 086 078 070 058 038	006 .002 .010 .038	239 229 239 161 062 026 018 008		
- 250 - 125 - 000 - 250 - 375 - 500 - 750 1 000 1 250 1 - 500 2 000 2 250 2 - 550	*119 -*161 -*165 -*179 -*138 -*105 -*144 -*134 -*016 -*091 -*080 -*093	142 175 177 171 078 089 078 089 097 091		126 137 145 137 110 052 008 .014 .016	107 097 086 078 070 058 038 018	006 .002 .010 .038 .060 .076	239 229 239 161 062 026 018 008 .002		
- 250 - 125 - 000 - 250 - 375 - 500 - 750 1 000 1 250 1 000 1 000 2 000	*119161165179138105144134016091080093089	142 175 177 171 078 089 078 089 097 091 089		126 137 145 137 110 052 008 .014 .016 .010		006 .002 .010 .038 .060 .076	239229239161062026018008002		
	*119 **161 **165 **179 **138 **105 **114 **134 **016 **091 **080 **093 **089 **095	142 175 177 171 078 089 097 091 089 091		126137145137110052008014016010010010010010	107 097 086 078 070 058 038 018 000 022	006 .002 .010 .038 .060 .076 .074 .024	239 229 239 161 062 026 018 008 .002		
- 250 - 125 - 000 - 250 - 375 - 500 - 750 1 000 1 250 1 - 750 2 000 2 250 2 250 2 - 750 3 000 3 500	-119161165179138105144134016091080093089095086	- 142 - 175 - 177 - 171 - 078 - 089 - 078 - 099 - 097 - 091 - 089 - 076 - 086	-142 -166 -188 -166 -150 -129 -105 -110 -048 -059 -057 -072	126137145137110052008014016010010010010002		006 .002 .010 .038 .060 .076 .074 .024 137	239229239161062026018008002		
	-119161165179138105144134016091080093095086097	142 175 177 171 078 089 097 091 089 097 091 082 076	-:142 -:166 -:188 -:166 -:150 -:129 -:105 -:110 -:048 -:059 -:067 -:072 -:048 -:072 -:048 -:072 -:072			006 .002 .010 .038 .060 .076 .074 .024 137 223	239229239161062026018008002		
- 250 - 125 - 000 - 250 - 375 - 500 - 750 1 2500 1 2500 1 2500 2 250 2 250 2 250 2 3 500 4 000 4 000 4 500	-1191611651791381051441134	142 175 177 171 078 089 089 097 091 089 082 076 086 072	-,142 -,166 -,188 -,166 -,150 -,129 -,105 -,110 -,048 -,059 -,067 -,072 -,048 -,059 -,064	126137145137110052008014016010010010010010010010010010010010010010010		006 .002 .010 .038 .060 .076 .074 .024 137 223 177	239229239161062026018008002		
- 250 - 125 - 000 - 250 - 375 - 500 - 750 1 000 1 250 1 1750 2 000 2 250 2 250 2 250 2 250 3 000 3 500 4 500 5 000	*119161165179138105144134016091080093095086097101074	142 175 177 171 078 078 089 097 091 089 091 089 076 086 077 086	142 166 188 166 150 129 105 110 048 059 067 072 048 059 064 059	- 126 - 137 - 145 - 137 - 110 - 052 - 008 - 014 - 016 - 010 - 010 - 010 - 010 - 002 - 004 - 000 - 000		006 .002 .010 .038 .060 .076 .074 .024 137 223 177 141	239229239161062026018008002		
- 250 - 125 - 000 - 250 - 375 - 500 - 750 1 2500 1 2500 1 2500 2 250 2 250 2 250 2 3 500 4 000 4 000 4 500	-1191611651791381051441134	142 175 177 171 078 089 089 097 091 089 082 076 086 072	-,142 -,166 -,188 -,166 -,150 -,129 -,105 -,110 -,048 -,059 -,067 -,072 -,048 -,059 -,064	126137145137110052008014016010010010010010010010010010010010010010010		006 .002 .010 .038 .060 .076 .074 .024 137 223 177	239229239161062026018008002		

Table 13 Continued
Plate and Spoiler Pressure Coefficients Configuration 8 M= 1.61 R= 0.14 x 106

		D 1	Day 7	Plate A	Row 6	Row 7	Row 9	Spoiler Orifice No.
x,in.	Row O	Row I	Row 3	Row 4	0	TION 1	11011 0	
				Λ= -15	3			
-6.000	043	039 037	029	•161 •252	• 255 • 269	•173 •167		1 •452
-5.500	037					•163		3 •382
-5.000	•008	045	• 237	•274 •311	•275 •283	•155		4 .414
-4.500	•229	• 253	•296 •317	•300	•300	•167	.324	5 .458
-4.000	•288	. 303	•329	•319	•310	.203	•344	6 •535
-3.500	•301	•319 •321	•329	.322	•314	•243	•340	7 • 344
-3.000	•305 •317	•371	•340	•327	•314	•261	•334	8358
-2.750 -2.500	.317	•327	4342	.327	•310	•279	•338	9 354
-2.250	•354	.338	•340	•327	•306	•290	• 338	10 356
-2.000	•321	•338	• 346	• 325	•298	•304	•330	12 .424
-1.750	•327	.340	•342	• 333	•298	•330	•314 •298	13 • 360
-1.500	•321	.329	• 334	•309 •290	•302 •306	• 354 • 378	• 287	14 • 344
-1.250	•272	• 325	•313	• 298	•330	•412	•271	15 • 360
-1.000	•311	•313 •307	.300	.317	•362	• 446	• 271	16 .408
750	•296	•313	.306	.333	•384	.464	•275	17 • 487
625	•301	•307	•327	•351	• 406	•485	• 287	18 •509
500	•315	•358	•349	•392	.444	.501	•318	19 364
375 250	391	•406	.408	. 459	•487	•505	.380	20368 21368
125	•478		•483		•503	100	• 470	22 358
.000	• 474	•482	• 467	• 480	•482	•483	. 466	
. 250	366	352	357	349			380	
• 250	354	364	362	359	350		368	
•375	373	-,364	370	368	348		378	
• 750	369	364	365	359	350	354	382	
1.000	369	266	370	365	352	352 354	364	THE RESERVE THE PROPERTY OF THE PARTY OF THE
1.250	360	-,354	362	352	358	360	306	
1.500	350	342	359	350 340	360 358	360	271	
1.750	136	319	343 236	324	356	362	241	
2.000	303	299	300	308	350	362	211	
2.250	268	274 253	252	290	340	362	183	
2.500	247	224	239	265	332	360	161	
2.750	208	202	223	247	316	368	143	
3.500	167	154	161	197	271	368		
4.000	134	121	140	153	233	360		
4.500	113	097	118	121	195	350 332		
5.000	093	084	089	101	161 145	320		
5.500	097	068	072	094	038	287		
6.000	072	-•047	004					
				Λ= -3				1 .318
-6.000	039	002	•204	•233	•213	•096		1 .318
-5.500	•037	•179	• 243	• 244	•207	•096		3 .241
-5.000	•235	• 261	• 255	• 231	•207 •213	•111		4 • 249
-4.500	•280	• 280	• 268	.252	•215	.141	•312	5 .283
-4.000	•301	• 290	• 268	• 244	•229	•171	•328	6 •354
-3.500	•292	•280 •280	• 261	.249	•237	•195	•332	7 •177
-3.000 -2.750	•284	•315	.268	• 241	•235	•197	•328	8324
-2.500	•278	•274	•259	•239	•231	•201	•312	10324
-2.250	•305	•276	• 257	• 233	•229	•201	• 251	11308
-2.000	•253	•259	• 247	•231	•227	•203	•211	12 •557
-1.750	•247	•243	• 235	• 233	•213	•219	.183	13 • 499
-1.500	•220	•220	•214	•207	•199	.233	•163	14 • 444
-1.250	•142	•202	•200 •177	•180 •182	.203	•261	•153	15 •450
-1.000	•175	•181 •163	169	.188	•219	•302	•171	16 • 559
750	•161	•163	.166	•190	•233	•326	• 203	17 • 734
625	191	159	177	•207	•265	•346	• 269	18 • 768 19 -• 410
		•214	.212	• 247	•312	•368	• 392	20414
500			•271	• 333	•356	•370	•541 •605	21 414
500 375	•206	• 266	257		•376	•396	•579	22 402
500 375 250 125	•206		•357		0404	9340	. 212	
500 375	•206 •261	• 387	•389	•386				
500 375 250 125 .000	•206 •261 •362 •395	•387	•389	•386 -•317			426	
500 375 250 125 .000	• 206 • 261 • 362 • 395		•327 •327 •335	317 327	318		412	
500 375 250 125 .000	• 206 • 261 • 362 • 395 • • 327 • • 327 • • 346	•387 -•329 -•342 -•338	- 327 - 335 - 346	317 327 333	-•318 -•326	- 212	-•412 -•424	
500 375 250 125 .000 .250 .375 .500	• 206 • 261 • 362 • 395 • 327 • 327 • 346 • 340	-329 -342 -338 -348	-327 -335 -346 -346	317 327 333 335	318 326 336	-•318 -•332	-•412 -•424 -•424	
500 375 250 125 .000 .250 .375 .500 .750	• 206 • 261 • 362 • 395 • • 327 • • 327 • • 346 • • 340	•387 -•329 -•342 -•338 -•348 -•251	-327 -335 -346 -346 -354	317 327 333 335 359	318 326 336 346	332	-•412 -•424	
500 375 250 125 .000 .250 .375 .500 .750	.206 .261 .362 .395 327 327 346 340 340	•387 -•329 -•342 -•338 -•348 -•251 -•331	-327 -335 -346 -346 -354 -343	317 327 333 335 359 348	318 326 336 346 358	332 350	-•412 -•424 -•424 -•394 -•352	
500 375 250 125 .000 .375 .500 .750 1.000 1.250	. 206 . 261 . 362 . 395 . 327 . 327 . 346 . 340 . 340 . 325 . 309	-387 -329 -342 -338 -348 -251 -331 -311	- 327 - 335 - 346 - 346 - 354 - 343 - 322	317 327 333 335 359 348 338	- · 318 - · 326 - · 336 - · 346 - · 358 - · 364	332 350 362	-•412 -•424 -•424 -•394	
- 500 - 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 000 1 250 1 500 1 750	. 206 . 261 . 362 . 395 . 327 . 327 . 340 . 340 . 340 . 325 . 309	.387329342338348251331311278	-327 -335 -346 -346 -354 -3543 -322 -298	317 327 333 335 359 348 338	- · 318 - · 326 - · 336 - · 346 - · 358 - · 364	332 350 362 366	- • 412 - • 424 - • 424 - • 394 - • 352 - • 316	
500 375 250 125 .000 .250 .375 .500 .750 1.000 1.250 1.500 1.500 1.500 1.700	. 206 . 261 . 362 . 395 . 327 . 327 . 340 . 340 . 340 . 340 . 325 . 309 . 105	.387329342338348251331311278249	-389 -327 -335 -346 -346 -354 -343 -322 -298 -201	317 327 333 335 359 348 338 320 298	- • 318 - • 326 - • 336 - • 346 - • 358 - • 364 - • 368	332 350 362	- • 412 - • 424 - • 424 - • 394 - • 352 - • 316 - • 289 - • 265 - • 241	
500 375 250 125 .000 .375 .500 .750 1.000 1.250 1.750 2.000 2.250	. 206 . 261 . 362 . 395 . 327 . 327 . 340 . 340 . 340 . 325 . 309 . 105 251	.387329342338348251331311278249	- 327 - 335 - 346 - 346 - 354 - 343 - 322 - 298 - 201 - 241	317 327 333 335 359 348 338 320 298	318 326 336 346 358 364 368 368	332 350 362 366 374	412 424 424 394 352 316 289 265 241 219	
500 375 250 125 .000 .375 .500 .750 1.4000 1.4250 1.500 2.250 2.250 2.250 2.250	.206 .261 .362 .395 327 327 340 340 340 325 309 105 251 251 212	.387329342338348251331311278249224198	-389 -327 -335 -346 -354 -343 -322 -298 -201 -241 -182	317 327 333 335 359 348 338 320 298 275	- • 318 - • 326 - • 336 - • 346 - • 358 - • 364 - • 368	332 350 362 366 374 388 386	- • 412 - • 424 - • 424 - • 394 - • 352 - • 316 - • 289 - • 265 - • 241 - • 219 - • 201	
500 375 250 125 .000 .250 .375 .500 .750 1.000 1.250 1.750 2.000 2.250 2.500 2.750	. 206 . 261 . 362 . 395 . 327 . 327 . 327 . 340 . 340 . 340 . 325 . 309 . 105 . 2251 . 212 . 196	.387329342338348251331278249224198	- 327 - 335 - 346 - 354 - 354 - 322 - 298 - 201 - 241 - 182 - 180	- 317 - 327 - 333 - 335 - 348 - 348 - 320 - 298 - 275 - 249 - 225	- 318 - 326 - 336 - 346 - 358 - 364 - 368 - 368 - 340	332 350 362 366 374 388 386 368 392	412 424 424 394 352 316 289 265 241 219	
500 375 250 125 .000 .250 .375 .500 .750 1.400 1.4250 1.4500 2.4250 2.4	.206 .261 .362 .395 .327 .327 .340 .340 .340 .325 .309 .105 .251 .212 .196 .177	.387329342338348251331311278249175152	- 389 - 327 - 335 - 346 - 346 - 343 - 322 - 298 - 201 - 182 - 180 - 164	- 317 - 327 - 333 - 335 - 348 - 348 - 320 - 275 - 249 - 275 - 225 - 203	- · 318 - · 326 - · 336 - · 358 - · 364 - · 368 - · 358 - · 340 - · 318	332 350 362 366 374 388 386 368 3692 404	- • 412 - • 424 - • 424 - • 394 - • 352 - • 316 - • 289 - • 265 - • 241 - • 219 - • 201	
500 375 250 125 .000 .375 .500 .750 1.000 1.250 1.750 2.250 2.250 2.250 2.250 3.000	. 206 . 261 . 362 . 395 . 327 . 327 . 327 . 340 . 340 . 340 . 329 . 105 . 251 . 212 . 196 . 177 . 159	.3873293423383482513311278224195152	. 389 - 327 - 346 - 346 - 346 - 354 - 322 - 298 - 201 - 241 - 182 - 180 - 164 - 123 - 134	- 317 - 327 - 333 - 335 - 359 - 348 - 320 - 298 - 275 - 225 - 203 - 1187	- 318 - 326 - 336 - 346 - 358 - 368 - 368 - 358 - 340 - 318 - 302 - 285 - 2257	332 350 362 366 374 388 386 368 392 404 398	- • 412 - • 424 - • 424 - • 394 - • 352 - • 316 - • 289 - • 265 - • 241 - • 219 - • 201	
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	. 206 . 261 . 362 . 395 . 327 . 327 . 340 . 340 . 340 . 325 . 309 . 105 . 2251 . 212 . 196 . 177 . 159 . 121 . 099 . 082	.387329342338251331278278198175113097091	- 389 - 327 - 346 - 354 - 346 - 354 - 322 - 298 - 201 - 241 - 182 - 180 - 164 - 123 - 134	- 317 - 327 - 333 - 335 - 359 - 348 - 320 - 298 - 275 - 249 - 225 - 225 - 187 - 179 - 088	- 318 - 326 - 336 - 336 - 346 - 358 - 368 - 368 - 368 - 380 - 289 - 292	332 350 362 366 374 388 386 368 392 404	- • 412 - • 424 - • 424 - • 394 - • 352 - • 316 - • 289 - • 265 - • 241 - • 219 - • 201	

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		7 37		Λ=	45 °				REAL PROPERTY.
-6 • 000	033	•068	•233	.222	•187	•042		1	- 342
-5.500	•037	•200	• 253	•233	•199	•022		. 2	• 342
-5.000	•208	• 243	• 257	•223	•207	006		3	• 298
-4.500	•261	• 259	• 264	• 244	•209	•006		4	• 285
-4.000	•272	• 270	•253	•239	•207	•046	• 229	5	• 312
-3.500	• 268	• 270	• 257	• 233	•189	•082	• 292	6	.384
-3.000 -2.750	• 261 • 257	• 261	•243 •237	•209	•151 •135	•090	•306	7	• 163
-2.500	•243	• 296 • 245	•218	•185 •166	125	•096 •105	•306	8 9	261
-2.250	•245	• 226	•189	•142	109	•113	• 287	10	275 273
-2.000	•189	•187	•167	•121	.097	•125	• 237	11	263
-1.750	•154	•150	•146	•121	•101	•151	•179	12	.633
-1.500	•124	•109	•128	.118	.121	•187	• 147	13	.637
-1 • 250	•078	•105	•107	•105	•143	•241	• 131	14	.641
-1.000	•107	•113	•097	•115	•173	•279	• 153	15	.667
750	•128	•136	•137	•148	•213	•294	• 245	16	.692
- + 625	•165	•154	•169	•185	•257	•326	•340	17	•698
-•500 -•375	•212	• 220	•204	•249	•310	• 346	• 460	18	•525
250	.323	•270 •321	•290 •327	•317 •362	•340	•354 •360	• 567 • 627	19	448 452
-•125	•366	****	•354	. 502	•366	• 500	.631	21	444
•000	•377	• 375	•376	•378	•376	•382	.633	22	428
• 250	259	257	266	266			456		
•375	251	276	282	279	273		448	A STATE OF THE STA	
•500	270	278	292	292	285		456	The second second	
• 750	299	~.305	311	306	308	302	458		
1.000	321	~.239	335	335	328	332	454		
1.250	-•329 -•346	319 364	-•351 -•384	352 368	350 376	364	432 390		
1.750	136	~.336	346	366	386	388	308		
2.000	288	~.305	247	372	404	398	177		
2.250	239	274	362	388	416	422	066		
2.500	198	301	359	388	416	428	014		
2.750	163	327	362	362	418	430	.008		
3.000	189	286	298	352	416	444	•014		
3.500	039	•021	•000	135	360	446			
4.000	•121 •086	•039 •008	003 030	010	078	418			
5.000	.058	012	027	•020	018	269 163			
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6.000	.012	021	011	034	133	306			
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-5.500 -5.000	027 .002	•095	•154	• 158		•032		3	• 294
-5.500 -5.000 -4.500	027 .002 .086	•095 •142	•179	•185	•181	•076		4	• 292
-5.500 -5.000 -4.500 -4.000	027 .002 .086 .150	•095 •142 •163	•179 •191	•185 •177	•181 •177	•076 •097	024	4 5	• 292 • 289
-5.500 -5.000 -4.500 -4.000 -3.500	027 .002 .086 .150	•095 •142 •163 •183	•179 •191 •198	•185 •177 •177	•181 •177 •177	.076 .097 .101	•048	5 6	.292 .289 .261
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000	027 .002 .086 .150 .175	.095 .142 .163 .183	•179 •191 •198 •191	•185 •177 •177 •177	•181 •177 •177 •149	.076 .097 .101 .125	•048 •167	5 6 7	.292 .289 .261 175
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750	-027 002 086 150 175 175	.095 .142 .163 .183 .189	•179 •191 •198 •191 •196	•185 •177 •177 •177 •177	•181 •177 •177 •149 •129	.076 .097 .101 .125	.048 .167 .195	5 6 7 8	.292 .289 .261 175 159
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500	027 .002 .086 .150 .175	.095 .142 .163 .183 .189 .229	•179 •191 •198 •191 •196 •191	•185 •177 •177 •177 •177 •166	•181 •177 •177 •149	.076 .097 .101 .125 .141	.048 .167 .195 .207	5 6 7	.292 .289 .261 175 159 199
-5.500 -5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000	027 .002 .086 .150 .175 .175 .187	.095 .142 .163 .183 .189	•179 •191 •198 •191 •196	•185 •177 •177 •177 •177	•181 •177 •177 •149 •129 •121	.076 .097 .101 .125	.048 .167 .195	4 5 6 7 8 9	.292 .289 .261 175 159
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750	027 .002 .086 .150 .175 .175 .187 .187 .220 .187	.095 .142 .163 .183 .189 .229 .183 .191 .181	.179 .191 .198 .191 .196 .191 .187 .175	• 185 • 177 • 177 • 177 • 177 • 166 • 145 • 118	•181 •177 •177 •149 •129 •121 •113 •117	.076 .097 .101 .125 .141 .161 .183 .205	.048 .167 .195 .207 .211 .211	4 5 6 7 8 9 10 11 12	. 292 . 289 . 261 175 159 199 225 281 . 378
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500	027 .002 .086 .150 .175 .175 .187 .220 .187 .220	.095 .142 .163 .183 .189 .229 .183 .191 .181	.179 .191 .198 .191 .196 .191 .187 .175	.185 .177 .177 .177 .177 .166 .145 .118	•181 •177 •177 •149 •129 •121 •113 •117 •141	.076 .097 .101 .125 .141 .161 .183 .205 .225	.048 .167 .195 .207 .211 .211 .207	4 5 6 7 8 9 10 11 12 13	. 292 . 289 . 261 175 159 199 225 281 . 378
-5.500 -5.000 -4.500 -4.500 -3.500 -2.750 -2.500 -2.500 -2.500 -1.500 -1.500	027 .002 .0086 .150 .175 .187 .187 .220 .187 .169 .126	.095 .142 .163 .183 .189 .229 .183 .191 .181 .163	•179 •191 •198 •191 •196 •191 •187 •175 •146 •117	• 185 • 177 • 177 • 177 • 177 • 166 • 145 • 118 • 110 • 129	•181 •177 •177 •149 •129 •121 •113 •117 •141 •173 •207	.076 .097 .101 .125 .141 .161 .183 .205 .225 .243	.048 .167 .195 .207 .211 .211 .207 .171	4 5 6 7 8 9 10 11 12 13 14	. 292 . 289 . 261 175 159 199 225 281 . 378 . 374
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.250 -1.000	027 .002 .086 .150 .175 .175 .187 .220 .187 .169 .126 .068	.095 .142 .163 .183 .189 .229 .183 .191 .181 .163 .126 .105	•179 •191 •198 •191 •196 •191 •187 •175 •146 •117 •121 •129	.185 .177 .177 .177 .177 .166 .145 .118 .110 .110	•181 •177 •177 •149 •129 •121 •113 •117 •141 •173 •207	•076 •097 •101 •125 •141 •183 •205 •225 •243 •259 •255	.048 .167 .195 .207 .211 .211 .207 .171 .119	4 5 6 7 8 9 10 11 12 13 14 15	. 292 . 289 . 261 - 175 - 159 199 225 281 . 378 . 374 . 372
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.500 -1.500 -1.500 -1.500 -1.750 -750	027 .002 .0086 .150 .175 .175 .187 .187 .220 .187 .169 .126 .068 .130	.095 .142 .163 .183 .189 .229 .183 .191 .181 .163 .126 .105	.179 .191 .198 .191 .196 .191 .187 .175 .146 .117 .121	• 185 • 177 • 177 • 177 • 177 • 166 • 145 • 118 • 110 • 110 • 129 • 180 • 233	•181 •177 •177 •149 •129 •121 •113 •117 •141 •173 •207 •235 •255	.076 .097 .101 .125 .141 .161 .183 .205 .225 .243 .259 .255	.048 .167 .195 .207 .211 .207 .171 .119 .129	4 5 6 7 8 9 10 11 12 13 14 15	. 292 . 289 . 261 - 175 - 159 - 199 - 225 - 281 . 378 . 374 . 372 . 360
-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.250 -1.250	027 .002 .002 .086 .150 .175 .187 .187 .187 .220 .187 .186 .189 .126 .068	.095 .142 .163 .183 .189 .229 .183 .191 .181 .163 .126 .105 .136	.179 .191 .198 .191 .196 .191 .187 .175 .146 .117 .121 .129 .204	.185 .177 .177 .177 .177 .166 .145 .118 .110 .129 .180 .233	•181 •177 •177 •149 •129 •121 •113 •117 •141 •173 •207 •235 •255 •267	.076 .097 .101 .125 .141 .161 .183 .205 .225 .243 .259 .255 .263	.048 .167 .195 .207 .211 .211 .207 .171 .119 .129 .237 .318	5 6 7 8 9 10 11 12 13 14 15 16	. 292 . 289 . 261 - 175 - 159 - 125 - 281 . 378 . 374 . 372 . 372 . 360 . 324
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500	027 .002 .0086 .150 .175 .175 .187 .187 .220 .187 .169 .126 .068 .130 .130 .233	.095 .142 .163 .183 .189 .229 .183 .191 .181 .163 .126 .105 .136 .212 .289 .229	.179 .191 .198 .191 .196 .191 .187 .175 .146 .117 .121 .129 .204 .223	.185 .177 .177 .177 .177 .166 .145 .110 .110 .129 .180 .233 .252 .249	• 181 • 177 • 177 • 149 • 129 • 121 • 113 • 117 • 141 • 173 • 207 • 235 • 255 • 267	.076 .097 .101 .125 .141 .161 .183 .205 .225 .243 .259 .255 .269 .271	.048 .167 .195 .207 .211 .221 .207 .171 .119 .129 .237 .318	5 5 7 8 9 10 11 12 13 14 15 16 17	. 292 . 289 . 261 175 159 199 225 281 . 378 . 374 . 372 . 360 . 324 . 253
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.200 -1.750 -1.250 -1.500 -1.750 -1.250 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750	027 .002 .0086 .150 .175 .187 .187 .187 .187 .169 .126 .068 .130 .130 .270 .276	.095 .142 .163 .183 .189 .229 .183 .191 .181 .163 .126 .105 .136	.179 .191 .198 .191 .196 .191 .187 .175 .146 .117 .121 .129 .204	.185 .177 .177 .177 .177 .166 .145 .118 .110 .129 .180 .233	•181 •177 •177 •149 •129 •121 •113 •117 •141 •173 •207 •235 •255 •267	.076 .097 .101 .125 .141 .161 .183 .205 .225 .243 .259 .255 .263	.048 .167 .195 .207 .211 .211 .207 .171 .119 .129 .237 .318	5 6 7 8 9 10 11 12 13 14 15 16	. 292 . 289 . 261 - 175 - 159 - 125 - 281 . 378 . 374 . 372 . 372 . 360 . 324
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-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.500 -1.500 -2.500 -2.250	027 .002 .008 .150 .175 .187 .187 .187 .187 .189 .120 .189 .126 .068 .130 .189 .233 .270 .284 .284 .309	.095 .142 .163 .183 .189 .229 .183 .191 .163 .105 .136 .212 .257 .296 .284	179 191 198 191 196 191 187 175 146 117 121 129 204 223 223 223 223 223 271 282 203	185 177 177 177 177 177 166 145 118 110 129 180 233 252 249 282 303	181 177 177 149 129 121 1113 1117 144 173 207 235 255 267 273 290 294 294	.076 .097 .101 .125 .141 .161 .183 .205 .225 .243 .259 .255 .263 .269 .271 .285	.048 .167 .195 .207 .211 .207 .171 .119 .129 .237 .318 .368 .382 .378 .382	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	292 289 261 - 175 - 159 - 199 - 225 - 281 378 377 372 372 360 324 - 253 - 406 - 346
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-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.250 -1.500 -1.750 -1.500 -1.750 -1	027 .002 .0086 .150 .175 .187 .187 .187 .220 .187 .220 .189 .223 .270 .233 .276 .284 .284 .309 167 150 194 314	.095 .142 .163 .189 .229 .183 .191 .181 .163 .126 .105 .136 .212 .259 .257 .296 .284 .309	179 191 198 191 196 191 187 175 146 117 121 129 204 223 223 223 221 282 271 282 303 -169 -188 -217 -341	185 177 177 177 177 166 145 118 110 110 129 180 233 252 249 282 303 303	181 177 177 1149 129 121 1113 117 1241 1173 207 235 257 273 290 294 320	.076 .007 .101 .125 .141 .161 .183 .205 .225 .243 .259 .255 .263 .269 .271 .285 .290	.048 .167 .195 .207 .211 .207 .171 .119 .129 .237 .318 .368 .382 .382 .382 .382 .382 .382	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	292 289 261 - 175 - 159 - 199 - 225 - 281 378 377 372 372 360 324 - 253 - 406 - 346
-5:500 -5:500 -4:500 -4:500 -4:500 -3:500 -3:500 -3:500 -2:750 -2:250 -2:050 -1:750 -1:250 -1:750 -2:500 -375 -2:500 -375 -2:500 -375 -2:500 -375 -2:500 -375 -2:500 -375 -2:500 -375 -2:500 -375 -2:500 -375 -2:500 -375 -3:500 -375 -3:500 -3:750 -3:500	- 027 002 0086 1150 1175 1187 1220 1187 1220 1187 1220 1189 1233 1270 1270 1284 1309 167 1504 1504 167 167 167 167 167 167 167 167	.095 .142 .163 .183 .189 .229 .183 .191 .181 .163 .105 .116 .212 .257 .296 .284 .309 .159 .159 .125 .204 .204 .204 .204 .204 .205 .205 .206 .206 .206 .206 .206 .206 .206 .206	179 191 198 191 198 191 196 191 187 175 146 117 121 129 204 223 223 223 223 223 223 223 223 223 22	185 177 177 177 177 166 145 118 110 119 180 233 252 249 282 303 -177 -199 -223 -322 -405	.181 .177 .177 .149 .129 .121 .113 .117 .141 .173 .207 .235 .255 .267 .273 .290 .294 .320187221275354414	.076 .007 .101 .125 .141 .183 .205 .225 .243 .259 .255 .263 .269 .271 .285 .290 .314	.048 .167 .195 .207 .211 .211 .207 .171 .119 .129 .237 .318 .368 .382 .382 .382 .382 .382 .382 .382 .38	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	292 289 261 - 175 - 159 - 199 - 225 - 281 378 377 372 372 360 324 - 253 - 406 - 346
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.550 -1.500 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550	027 .002 .008 .150 .175 .187 .187 .187 .220 .187 .220 .189 .223 .276 .284 .309 169 .233 .276 .284 .309	.095 .142 .163 .189 .229 .183 .191 .163 .126 .105 .136 .212 .257 .257 .296 .284 .309 -1159 -1204 -1325 -1204 -1325 -1204 -1325 -1204 -1325 -1204 -1325 -1204 -1325 -1204 -1325 -1204 -1325 -1204 -1325 -1204 -1325 -1204 -1325 -1204 -1325 -1204 -1325 -1204 -1325	179 191 198 191 196 191 187 175 146 117 122 122 223 223 223 221 282 271 282 303 -169 -188 -217 -394 -394 -432 -413	185 177 177 177 177 166 145 118 110 110 129 180 233 252 249 282 303 303	.181 .177 .177 .149 .129 .121 .113 .117 .144 .173 .207 .235 .257 .273 .290 .294 .320	.076 .007 .101 .125 .141 .161 .183 .205 .225 .243 .259 .255 .263 .269 .271 .285 .290 .314	.048 .167 .195 .207 .211 .221 .221 .227 .171 .119 .129 .237 .318 .368 .382 .382 .382 .382 .382 .382 .382 .38	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	292 289 261 - 175 - 159 - 199 - 225 - 281 378 377 372 372 360 324 - 253 - 406 - 346
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -1.750 -1.500 -1.750 -1.500 -1.750 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75	- 027 002 0086 1150 1175 1187 1220 1187 1220 1187 1220 1189 1233 1270 1270 1284 1309 167 1504 1504 167 167 167 167 167 167 167 167	.095 .142 .163 .183 .189 .229 .183 .191 .181 .163 .105 .116 .212 .257 .296 .284 .309 .159 .159 .125 .204 .204 .204 .204 .204 .205 .205 .206 .206 .206 .206 .206 .206 .206 .206	179 191 198 191 198 191 196 191 187 175 146 117 121 129 204 223 223 223 223 223 223 223 223 223 22	185 177 177 177 177 166 145 118 110 110 129 180 233 252 249 282 303 -37 -177 -199 -233 -322 -446 -446 -446	.181 .177 .177 .149 .129 .121 .113 .117 .141 .173 .207 .235 .255 .267 .273 .290 .294 .320187221275354414	.076 .007 .101 .125 .141 .183 .205 .225 .243 .259 .255 .269 .271 .285 .290 .314	.048 .167 .195 .207 .211 .211 .207 .171 .119 .129 .237 .318 .368 .382 .382 .382 .382 .382 .382 .382 .38	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	292 289 261 - 175 - 159 - 199 - 225 - 281 378 372 372 360 324 253 - 406 - 346
-5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.750 -2.250 -2.250 -1.500 -1.500 -1.500 -1.500 -1.250	- 027 002 0086 1150 1150 1175 1187 1220 1187 1220 1187 1220 169 1233 270 276 284 309 - 150 - 194 - 311 - 3385 - 385 - 3	.095 .142 .163 .183 .189 .229 .183 .191 .181 .163 .126 .105 .136 .212 .257 .296 .284 .309 165 .209 .215 .209 .209 .209 .209 .209 .209 .209 .209	179 191 198 191 198 191 196 197 187 175 146 117 121 129 204 223 223 223 223 223 221 1882 -217 1888 -217 -341 -394 -432 -413	185 177 177 177 177 166 145 118 110 110 129 180 233 252 249 282 303 303	181 177 177 119 129 121 1113 1117 144 1173 207 235 255 267 2773 290 294 294 320	.076 .007 .101 .125 .141 .161 .183 .205 .225 .243 .259 .255 .263 .269 .271 .285 .290 .314	.048 .167 .195 .207 .211 .211 .207 .171 .119 .129 .237 .318 .368 .382 .382 .382 .382 .382 .382 .382 .38	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	292 289 261 - 175 - 159 - 199 - 225 - 281 378 372 372 360 324 253 - 406 - 346
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.550 -1.500 -1.550	- 027 002 0086 175 175 187 187 1220 187 169 126 0068 130 233 270 2284 239 276 284 284 309 - 150 - 150 - 194 - 311 - 385 - 387 - 214 - 132 - 097	.095 .142 .163 .183 .189 .229 .183 .191 .181 .163 .105 .136 .212 .257 .296 .284 .309159165204325272408391103289103	179 191 198 191 198 191 196 191 187 175 146 117 122 122 223 223 221 271 282 303 -168 -217 -394 -433 -330 -150 -150 -1994	185 177 177 177 177 177 166 145 110 110 110 129 180 233 252 249 282 303 -177 -199 -223 -322 -405 -416 -416 -322 -338 -247	.181 .177 .177 .149 .129 .121 .113 .117 .144 .173 .207 .235 .255 .267 .273 .290 .294 .320 -187221275354414438410	.076 .007 .101 .125 .141 .161 .183 .205 .225 .243 .259 .255 .263 .269 .271 .285 .290 .314	.048 .167 .195 .207 .211 .211 .221 .227 .119 .129 .237 .318 .368 .382 .382 .382 .382 .382 .382 .382 .38	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	292 289 261 - 175 - 159 - 199 - 225 - 281 378 377 372 372 360 324 - 253 - 406 - 346
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -1.550	027 .002 .002 .002 .175 .175 .187 .187 .187 .187 .120 .189 .120 .189 .233 .270 .233 .276 .284 .233 .276 .284 .284 .294 .294 .294 .294 .294 .294 .294 .29	.095 .142 .163 .183 .189 .229 .183 .191 .163 .105 .136 .212 .257 .296 .284 .309 .159 .257 .204 .325 .204 .325 .204 .325 .204 .325 .204 .325 .204 .325 .204 .325 .325 .325 .325 .325 .325 .325 .325	.179 .179 .191 .198 .191 .196 .191 .187 .175 .146 .117 .121 .129 .204 .223 .223 .282 .271 .282 .303169188217341341394432413330150150094070	185 177 177 177 177 166 145 118 110 110 129 180 233 252 249 282 303 303 -177 -199 -223 -322 -405 -416 -392 -328 -416 -392 -328 -416 -416 -392 -328 -416 -416 -392 -416 -416 -416 -416 -416 -416 -416 -416	.181 .177 .149 .129 .129 .113 .117 .144 .173 .207 .235 .255 .267 .273 .290 .294 .320	.076 .007 .101 .125 .141 .161 .183 .205 .225 .243 .259 .255 .263 .269 .271 .285 .290 .314	.048 .167 .195 .207 .211 .211 .207 .171 .119 .129 .237 .318 .368 .382 .378 .382 .382 .382 .382 .382 .378 .382 .382 .382 .392 .392 .393 .394 .395 .395 .395 .395 .395 .395 .395 .395	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	292 289 261 - 175 - 159 - 199 - 225 - 281 378 377 372 372 360 324 - 253 - 406 - 346
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500	- 027 002 0086 175 175 187 187 1220 187 1220 189 123 276 284 309 - 167 - 150 - 191 - 331 - 387 - 214 - 387 - 387 - 214 - 387 - 214 - 387 - 387	.095 .142 .163 .183 .189 .229 .183 .191 .181 .163 .126 .105 .136 .212 .257 .296 .284 .309159165204 .325272408391299189103045025049	179 191 198 191 198 191 196 191 187 175 146 117 122 122 122 204 223 282 271 282 303 -169 -188 -217 -341 -394 -432 -413 -350 -150 -150 -1094 -070	185 177 177 177 177 166 145 110 110 110 129 180 233 252 249 282 303 -177 -199 -223 -322 -405 -416 -416 -328 -247 -165 -1032	.181 .177 .177 .149 .129 .121 .113 .117 .144 .1173 .207 .235 .255 .267 .273 .290 .294 .320 -187 -221 -275 -354 -418 -438 -438 -438 -438 -438 -438 -438 -43	.076 .007 .007 .101 .125 .141 .183 .205 .243 .259 .255 .263 .269 .271 .285 .290 .314	.048 .167 .195 .207 .211 .211 .221 .227 .119 .129 .237 .318 .382 .382 .382 .382 .382 .382 .382 .38	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	292 289 261 - 175 - 159 - 199 - 225 - 281 378 377 372 372 360 324 - 253 - 406 - 346
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -1.550 -1.500 -1.550 -1.500 -1.250 -1.500 -1.250 -1	027 .002 .008 .150 .175 .187 .187 .187 .220 .187 .169 .126 .0189 .233 .270 .233 .276 .284 .284 .309 167 150 194 311 334 387 115 387 115 387 115 068 070	.095 .142 .163 .189 .229 .183 .191 .163 .126 .105 .136 .212 .259 .257 .296 .284 .309 .159 .257 .204 .325 .277 .296 .284 .309 .189 .189 .281 .309 .309 .309 .309 .309 .309 .309 .309	179 191 198 191 198 191 196 191 187 175 146 117 121 129 204 223 223 223 227 1282 271 282 271 282 271 282 303 -169 -188 -217 -341 -394 -432 -413 -330 -150 -094 -070 -062 -030	185 177 177 177 177 166 145 118 110 110 129 180 233 252 249 282 303 303 -177 -199 -223 -322 -446 -446 -446 -322 -328 -326 -416 -327 -4165 -328 -327 -328 -328 -328 -328 -328 -328 -328 -328	.181 .177 .149 .129 .129 .1113 .117 .144 .173 .207 .235 .257 .273 .290 .294 .320 -187221275354414438438410390322205082125	.076 .007 .101 .125 .141 .161 .183 .205 .225 .243 .259 .255 .263 .269 .271 .285 .290 .314	.048 .167 .195 .207 .211 .211 .207 .171 .119 .129 .237 .318 .368 .382 .378 .382 .382 .382 .382 .382 .378 .382 .382 .382 .392 .392 .393 .394 .395 .395 .395 .395 .395 .395 .395 .395	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	292 289 261 - 175 - 159 - 199 - 225 - 281 378 377 372 372 360 324 - 253 - 406 - 346
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.750 -2.750 -1.500	- 027 002 0086 1150 1175 1187 1220 1187 1220 1187 1220 1068 130 1233 276 284 284 284 309 - 150 - 191 - 311 - 3385 - 387 - 115 - 214 - 132 - 0097 - 0068 - 0070 - 0029	.095 .142 .163 .183 .189 .229 .183 .191 .181 .163 .105 .136 .212 .257 .296 .284 .309 -1.159 -1.165 -2.204 -3.255 -2.72 -4.08 -3.91 -1.03 -0.45 -0.051 -0.051	179 191 198 191 196 191 187 175 146 117 121 129 204 223 222 271 282 303 -169 -188 -217 -341 -394 -432 -413 -330 -150 -150 -150 -062 -030 -008	185 177 177 177 177 166 145 110 110 110 129 180 233 252 249 282 303 -177 -199 -223 -322 -405 -416 -392 -328 -4165 -103 -103 -103 -103 -103 -103 -103 -103	.181 .177 .177 .149 .129 .121 .113 .117 .144 .113 .207 .235 .255 .267 .273 .290 .294 .320 .1872212753544384384384384384384384384384384003903903221250821046	.076 .007 .007 .101 .125 .141 .183 .205 .225 .225 .225 .225 .225 .229 .271 .285 .290 .314	.048 .167 .195 .207 .211 .211 .207 .171 .119 .129 .237 .318 .368 .382 .378 .382 .382 .382 .382 .382 .378 .382 .382 .382 .392 .392 .393 .394 .395 .395 .395 .395 .395 .395 .395 .395	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	292 289 261 - 175 - 159 - 199 - 225 - 281 378 372 372 360 324 253 - 406 - 346
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -1.750 -1.500 -1.550 -1.500 -1.550 -1.500 -1.550 -1	027 .002 .008 .150 .175 .187 .187 .187 .187 .187 .120 .189 .126 .0189 .233 .277 .2284 .309167150194311334387115214132097068073029	.095 .142 .163 .189 .229 .183 .191 .163 .126 .105 .136 .212 .259 .257 .296 .284 .309159165204325277408391299189103049051031	179 191 198 191 198 191 196 191 187 175 146 117 122 1223 223 223 221 282 271 282 303 -169 -188 -217 -341 -394 -432 -413 -330 -150 -150 -1094 -070 -062 -030 -008 -0566	185 177 177 177 177 177 166 145 118 110 110 129 180 233 252 249 282 303 303 -177 -199 -223 -322 -405 -416 -3	.181 .177 .177 .149 .129 .121 .113 .117 .144 .173 .207 .235 .257 .273 .290 .294 .320 -187221275354414438438410390322125046	.076 .007 .007 .101 .125 .141 .161 .183 .205 .225 .243 .259 .225 .263 .269 .271 .285 .290 .314	.048 .167 .195 .207 .211 .211 .207 .171 .119 .129 .237 .318 .368 .382 .378 .382 .382 .382 .382 .382 .378 .382 .382 .382 .392 .392 .393 .394 .395 .395 .395 .395 .395 .395 .395 .395	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	292 289 261 - 175 - 159 - 199 - 225 - 281 378 377 372 372 360 324 - 253 - 406 - 346
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.750 -2.750 -1.500	- 027 002 0086 1150 1175 1187 1220 1187 1220 1187 1220 1068 130 1233 276 284 284 284 309 - 150 - 191 - 311 - 3385 - 387 - 115 - 214 - 132 - 0097 - 0068 - 0070 - 0029	.095 .142 .163 .183 .189 .229 .183 .191 .181 .163 .105 .136 .212 .257 .296 .284 .309 -1.159 -1.165 -2.204 -3.255 -2.72 -4.08 -3.91 -1.03 -0.45 -0.051 -0.051	179 191 198 191 196 191 187 175 146 117 121 129 204 223 222 271 282 303 -169 -188 -217 -341 -394 -432 -413 -330 -150 -150 -150 -062 -030 -008	185 177 177 177 177 166 145 110 110 110 129 180 233 252 249 282 303 -177 -199 -223 -322 -405 -416 -392 -328 -4165 -103 -103 -103 -103 -103 -103 -103 -103	.181 .177 .177 .149 .129 .121 .113 .117 .144 .113 .207 .235 .255 .267 .273 .290 .294 .320 .1872212753544384384384384384384384384384384003903903221250821046	.076 .007 .007 .101 .125 .141 .183 .205 .225 .225 .225 .225 .225 .229 .271 .285 .290 .314	.048 .167 .195 .207 .211 .211 .207 .171 .119 .129 .237 .318 .368 .382 .378 .382 .382 .382 .382 .382 .378 .382 .382 .382 .392 .392 .393 .394 .395 .395 .395 .395 .395 .395 .395 .395	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	292 289 261 - 175 - 159 - 199 - 225 - 281 378 377 372 372 360 324 - 253 - 406 - 346

Table 13 Concluded
Plate and Spoiler Pressure Coefficients

Configuration 8 M= 1.61 R= 0.14 × 106

				Plate				Spoi	ler
x,in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
,				Λ= -7	5 °	7			
-6.000	021	•021	•037	•024	•036	016		1 2	.058 .062
-5.500	008	.041	•033	.027	•040	020		3	.064
-5.000	•021	•045	•033	•016	•044	•002		4	.058
-4.500	•039	.039	•027	.038	.044	•036		5	.050
-4.000	•049	.041	•039	•032	•050	•054	010		•032
-3.500	.045	.041	.035	•035	.052	•056	.016	6 7	
-3.000	•037	.039	•029	•035	•054	•056	.064	The second secon	157
-2.750	•043	• 095	•043	•038	.060	•052	.082	8	
-2.500	.039	.039	•045	•038	.056	•052	.092	9	092
-2.250	.086	.045	•043	.038	•052	•052	•086	10	159
-2.000	•045	.041	•041	•035	•052	•052	.088	11	171
-1.750	.054	.041	•045	• 051	•048	.060	.082	12	.086
-1.500	•049	.039	•037	•048	•042	•058	.080	13	.086
-1.250	•016	.041	•047	•038	.040	.056	.078	14	.082
-1.000	.049	.043	•040	•035	•042	•056	•070	15 16	.068
750	•039	•035	•024	•038	•052	•052	.064		.046
625	•045	•051	•032	•035	• 048	•050	.066	17	
500	•058	•072	•013	•035	•054	•070	.076	18	060
375	.045	.062	•070	•067	•072	•072	•082	19	125
250	•051	.047	•051	•089	•072	.068	.086	20	
125	•062		.054		.068		.090	21	181
.000	•086	.080	•089	•086	•094	•090	•094	22	316
• 250	•080	.054	•027	•013			149		
•375	•068	.008	024	030	018		143	1000	
•500	006	062	078	056	030		139		
• 750	=.095	095	089	078	044	024	137		
1.000	072	027	078	110	111	090	092	The said	
1.250	025	078	177	209	253	217	092	445 36	
1.500	031	099	172	169	231	259	080		
1.750	•072	132	137	115	175	253	058		
2.000	060	111	048	086	127	227	050		
2.250	078	074	086	064	139	225	046		
2.500	095	051	032	024.	064	318	046		
2.750	074	045	032	.008	.020	050	050		
3.000	068	039	027	•000	032	038	068	1 130. 6	
3.500	045	019	024	042	070	086			
4.000	033	025	048	032	034	050		99/2 110	
4.500	019	037	048	060	072	.010		-	
5.000	016	033	105	123	183	279			
5.500	041	049	097	060	084	245			
6.000	025	084	048	012	.006	096			

				Plate				Spoiler	
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	00°.				
	1			***	070	222			501
-6.000	004	006	004	003	•272 •305	•222		1 2	• 526 • 455
-5.000	005	007	•068	•294	•317	•217		3	. 428
-4.500	•124	•171	•301	•339	•328	•198		4	. 455
-4:000	•326	•326	•352	•349	*342	•182	•331	5	.519
-3.500	•364	• 366	•373	• 363	•348	•204	• 368	6	0631
-3.000	•377	•378	•382	•371	4352	•247	•378	7 8 -	• 492 • 360
-2.750 -2.500	•378	•398 •388	•385 •387	•379 •373	•351 •345	•267 •291	• 382 • 389		357
-2.250	401	•393	•392	•373	4333	•310	•387		357
-2.000	•387	•392	•387	•360	•329	•332	•390		356
-1.750	•392	•392	•378	.354	+325	•358	•386	12	.539
-1.500	•382	•379	•364	•339	4329	•387	•376	13	. 455
-1.250	•344	• 361	•346	• 325	•340	•424	•362	14	• 432
-1.000	•343	• 343	•331	•328	*362	• 465	•342	15 16	• 471
750 625	•336 •347	• 335 • 348	•334 •349	•350 •373	•399 •429	•516 •545	•338	17	.669
500	•366	• 358	•370	• 400	4466	•575	•362	18	.710
375	•399	•401	•412	.449	•514	•601	•400		357
250	•461	• 468	• 475	•520	4576	•605	.471		360
125	•565		•573		*604		•586	21 -	360
.000	•572	• 575	•567	•575	•578	•574	• 587	22 -	363
• 250	358	~.358	357	350			363		
•375	352	~.366	365	355	345		368		
•500	364	364	362	362	347		368		
•750	359	~.366	367	358	-•347	353	366		
1.000	362	~.320	363	365	-+352	352	359		
1.250	-•344 -•323	349	-•355 -•342	348	350 353	353 356	342 314		
1.750	212	~.297	316	332	353	353	287		
2.000	263	264	260	319	350	356	256	THE RESERVE AND ADDRESS OF THE PARTY OF THE	
2.250	225	237	268	303	345	356	224		
2.500	201	211	244	280	-+331	356	199		
2.750	177	188	223	254	-+319	357	174		
3.000	160	169	202	229	307	357	154		
3.500	129	134	155	187	277	358			
4.000	097	~.108	132	154	256	353			
4.500	082	~.095	116	129 105	226 196	347 336			
5.000	059	083 067	090	084	163	316			
6.000	045	~.062	061	065	117	-,262			
				Λ=	15°				
-6:000	006	005	004	005	•026	÷229		1	. 432
-5.500	004	009	010	.005	•253	•248		2	.380
-5.000	001	~.007	•042	•241	•315	•249		3	.359
-4.500	•211	•209	•289	• 347	•329	•238		4	.376
-4.000	•330	•339	•353	• 360	•348	•169	•332	5	• 408
-3.500	•357	•361	•373	•375	•331	•187	•354	6	• 479
-3.000	•363	•368	•378	• 376	•279	•235	•366	7	• 292
-2.750	•361	•384	•383 •378	•360 •341	•268 •265	•257 •275	•370 •375		352
-2.500 -2.250	•363	•375	•366	• 328	•263	•305	•376		354
-2.000	•366	•364	•354	•312	•273	•335	•378		351
-1.750	•362	• 356	•339	•302	•279	•362	•378	12	.511
-1.500	•357	•344	•327	• 295	•291	•383	•372	13	. 448
-1.250	•338	•335	•312	• 295	•305	•407	•357	14	.430
-1.000	•333	•325	•313	•312	•323	•430	•335	15	• 457
750	•316	•315	• 315	• 321	•351	•457	•333	16	.521
625	•322	•315	•323	• 334 • 360	•375	•474	•340 •362	17	·617
500 375	•326 •344	•326	•337	• 396	e400 e439	•507	•393		341
250	•388	•389	• 407	• 447	0484	•508	• 455		345
125	•475	•507	• 486		•502		.544		345
•000	• 484	• 479	•488	•491	•486	•484	•542		344
• 250	354	~.358	346	342			345		
•375	356	~.366	358	349	341		348		
•500	364	~.362	358	352	341		350		
•750	366	~.368	363	354	345	344	351		
1.000	358	321	355	355	347	344	350		
1.250	337	352	349	347	346	344	335		
1.500	311	318	333	342	347	344	317	A Part III	
1.750	201	~.296	310	329	348 342	340	291 266		
2.000	244	268 242	258 270	304	341	340	241		
2.500	178	~.209	239	287	336	340	220		
2.750	147	~.185	223	271	329	340	195		
3.000	133	162	197	251	316	341	175		
3.500	089	125	152	217	291	344			
	067	093	131	183	256	339			
4.000	- 0001								
4.000	053	074	110	151	232	334			
4.000	053 043 038		110 087 078	151 127 110	232 205 180	323 311			

Table 14 Continued
Plate and Spoiler Pressure Coefficients

Configuration 8 M= 1.61 R= 0.23 x 10.6

				Plate					Spc	oiler
x,in.	T Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orific	e No.	
^, 111.	1.000	11011	1.0	Λ=	30 °					
				V-	30					
-6.000	010	011	007	•000	•000	005	elegion de la company		1	•546
-5.500	007	011	011	002	•005	•087			2 3	• 471
-5.000	•021	009	011	002	•137	•259 •281		-	4	• 400
-4.500	•258	•152	•135	• 258			•320		5	• 478
-4.000	•328	•321	• 326	• 350	•353	•244 •158	•320		6	.617
-3.500	•346	• 348	• 358	•370 •363	• 350 • 250	•196	•317		7	•364
-3.000	•348	• 354	• 363	•331	•220	• 205	•317	The state of	8	369
-2.750 .	• 352	• 367 • 346	•359 •342	• 289	.201	•229	•315		9	394
-2.500	*338		•300	• 241	•198	•287	.304		10	401
-2.250	•330	• 323	•254	•207	195	•366	• 296	1 1 1 1 1	11	390
-2.000	•291	• 286 • 238	•212	•203	.205	• 468	.280		12	• 350
-1.750	•252 •216	•199	.190	•189	.213	0550	• 262		13	. 291
-1.500 -1.250	•175	•180	•177	•192	•261	•613	• 243		14	• 269
-1.000	•180	•177	.189	•218	•335	•659	.223		15	• 292
750	•185	•195	•228	•289	•450	•672	•211		16	• 329
625	•216	•229	• 268	.354	•509	•667	•210		17	• 381
500	•239	•292	•337	• 428	•562	•671	.217		18	• 371
375	•362	•380	•421	•515	•610	•655	.244		19	313
250	• 479	• 488	•533	•588	•642	•632	•298		20	313
125	•596	*400	.618	• >00	•619	****	•388		21	309
.000	•580	•577	•576	•588	•590	•583	•381		22	319
	.,,,,									
•250	380	374	357	342			311			
• 375	390	389	368	349	333		314			
•500	404	401	379	357	334		315			
• 750	390	394	384	365	336	322	314			
1.000	354	317	363	360	338	313	314			
1.250	323	322	334	344	338	313	307			
1.500	286	282	299	325	338	314	286			
1.750	173	242	262	301	333	313	261			
		206	207	277	326	311	234			
2.000	208	176	203	255	314	311	205	1		
2 • 250				236	308	311	181			
2.500	161	156	189				156			
2.750	147	142	153	218	-•296 -•278	309 314	137			
3.000	133	126	-•139	195			-0151			
3.500	067	109	107	162	251	308				
4.000	•038	082	097	138	224	305				
4.500										
	•071	059	084	113	201	298				
5.000	•050	025	060	095	183	289				
5.000	•050	025 .021	060 052	095 078	183 172	289 280				
5.000	•050	025	060	095	183	289				
5.000	•050	025 .021	060 052	095 078	183 172 158	289 280				
5.000 5.500 6.000	•050 •030 •026	025 .021 .053	060 052 044	095 078 069 A=	183 172 158	289 280 266			1	,619
5.000 5.500 6.000	•050 •030 •026	025 .021 .053	060 052 044	095 078 069 A=	183 172 158	289 280 266			1 2	•619 •611
5.000 5.500 6.000	•050 •030 •026	025 .021 .053	060 052 044		183 172 158	289 280 266			2	•611
5.000 5.500 6.000	-011 -002 -002	025 .021 .053	060 052 044	095 078 069 Λ= 005 003 006	183 172 158 45°	289 280 266			2 3	•611 •601
5.000 5.500 6.000 -6.000 -5.500 -5.500 -4.500	011 002 002 002	025 .021 .053	060 052 044	095 078 069 Λ= 005 003 006	183 172 158 45°	-0289 -0280 -0266	.298		2 3 4	.611 .601 .625
5.000 5.500 6.000 -6.000 -5.500 -5.000 -4.500 -4.500	-011 -002 -002 -002 -072 -268	025 .021 .053 006 009 010 007 .176	060 052 044 007 006 011 004 112	095 078 069 Λ= 005 003 006 006 006	183 172 158 45° 	- 289 - 280 - 266 - 266	.298		2 3 4 5	.601 .625 .677
5.000 5.500 6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -3.500	011 002 002 002 002 002 072 268	025 .021 .053 006 009 010 007 .176	060 052 044 007 006 011 004 112	095 078 069 A= .005003006 .006 .191 .331	183 172 158 45° 	- 289 - 280 - 266 - 004 - 005 - 004 - 244 - 345 - 220	• 295		2 3 4 5 6	.611 .601 .625 .677
5.000 5.500 6.000 -6.000 -5.000 -5.000 -4.500 -4.500 -3.500 -3.500	011 002 002 002 002 002 002 002 002 012 013 011	025 .021 .053 006 009 010 007 .176 .304	060 052 044 007 006 011 004 112 301 331	095 078 069 A=005 003 006 006 191 331 360	183 172 158 45° 	- 289 - 280 - 266 - 004 - 005 - 004 - 244 - 345 - 220 - 190	· 295 · 293		2 3 4 5 6 7	.611 .601 .625 .677 .717
5.000 5.500 6.000 -6.000 -5.500 -5.000 -4.500 -3.500 -3.500 -2.750	-011 -002 -002 -002 -002 -072 -268 -310 -312 -320	025 .021 .053 006 009 010 007 .176 .304 .322 .338	060 052 044 007 006 011 004 112 301 331	095 078 069 A= .005 003 006 .006 .191 .331 .360 .352	183 172 158 45° 	- 289 - 280 - 266 - 004 - 005 - 004 - 244 - 345 - 220 - 190 - 205	.295 .293 .293		2 3 4 5 6 7 8	.611 .601 .625 .677 .717 .013
5.000 5.500 6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.5500	011 002 002 002 002 002 002 072 268 310 312 320 317	025 .021 .053 006 009 010 007 .176 .304 .322 .338	060 052 044 007 006 011 004 112 301 331 341 336	095 078 069 A=005 003 006 006 191 331 360 352 318	183 172 158 45° 	-089 -280 -266 -004 -005 -004 -244 -345 -220 -190 -205 -248	. 295 . 293 . 293 . 285		2 3 4 5 6 7 8 9	.611 .601 .625 .677 .717 .013 426
5.000 5.500 6.000 -6.000 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500	-011 -002 -002 -002 -002 -072 -268 -310 -312 -320 -320	025 .021 .053 006 009 010 007 .176 .304 .322 .338 .323	060 052 044 007 006 011 004 112 301 331 341 356 309	095 078 069 A= .005 003 006 .191 .360 .352 .318 .249	183 172 158 45° 	- 289 - 280 - 266 - 206 - 205 - 205 - 220 - 220 - 248 - 336	. 295 . 293 . 293 . 285 . 261		2 3 4 5 6 7 8 9	.611 .601 .625 .677 .717 .013 426 430
5.000 5.500 6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.250 -2.250 -2.250	-011 -002 -002 -002 -002 -002 -002 -002	025 .021 .053 006 009 010 007 .176 .322 .338 .323 .317 .280	060 052 044 007 006 011 004 112 301 331 336 309 252	095 078 069 \Lambda = \cdot = \cdot 0.05 003 006 006 006 191 331 360 352 318 249 200	183 172 158 45° 	- 289 - 280 - 266 - 266 - 004 - 005 - 004 - 244 - 345 - 220 - 190 - 248 - 336 - 456	.295 .293 .293 .285 .261		2 3 4 5 6 7 8 9 10	.611 .601 .625 .677 .717 .013 426
5.000 5.500 6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750	-011 -0026 -0026 -002 -002 -002 -002 -072 -268 -310 -312 -320 -317 -320 -275 -223	025 .021 .053 009 009 010 .007 .176 .304 .322 .338 .323 .317 .280	060 052 044 007 006 011 004 112 	075 078 069	183 172 158 45° 	- 289 - 280 - 266 - 206 - 205 - 207 - 244 - 345 - 220 - 190 - 205 - 248 - 336 - 456 - 582	. 295 . 293 . 293 . 285 . 261 . 236 . 205		2 3 4 5 6 7 8 9 10 11 12	.611 .601 .625 .677 .717 .013 426 430 429 429
5,000 5,500 6,000 -5,500 -5,000 -4,500 -4,500 -3,500 -2,500 -2,500 -2,500 -2,500 -2,500 -1,750 -1,500	-011 -002 -002 -002 -002 -002 -002 -002	025 .021 .053 006 009 010 007 .176 .322 .338 .323 .317 .280 .227	060 052 044 007 006 011 004 112 	-095 -0078 -069 A= .005 -003 -006 .191 .331 .360 .352 .318 .249 .200 .187 .182	183172158 45°	- 289 - 280 - 266 - 266 - 266 - 200 - 204 - 345 - 220 - 190 - 205 - 248 - 336 - 456 - 562 - 663	. 295 . 293 . 293 . 285 . 261 . 236 . 205 . 168		2 3 4 5 6 7 8 9 10 11 12 13	.611 .601 .625 .677 .717 .013 426 430 429 426 .350
5.000 5.500 6.000 -5.500 -5.500 -4.500 -4.500 -2.750 -2.500 -2.250 -2.250 -1.500 -1.250	-011 -0026 -0026 -002 -002 -002 -072 -268 -310 -312 -320 -317 -320 -275 -223 -187 -134	025 021 053 006 009 010 017 176 304 322 338 327 280 227 177 165	050 052 044 007 006 011 004 112 301 331 341 336 309 325 198 198	-095 -0078 -0069 A= -005 -003 -006 -191 -331 -360 -332 -318 -249 -200 -187 -182 -195	183172158	- 289 - 286 - 266 - 266 - 266 - 264 - 345 - 220 - 190 - 205 - 248 - 336 - 456 - 582 - 663 - 702	. 295 . 293 . 293 . 285 . 261 . 236 . 205 . 168		2 3 4 5 6 7 8 9 10 11 12 13 14	.611 .601 .625 .677 .717 .013 426 430 429 426 .350 .313
5,000 5,500 6,000 -5,500 -5,500 -4,500 -4,500 -3,500 -3,500 -2,500 -2,500 -2,500 -1,500 -1,500 -1,250 -1,250 -1,250	-011 -002 -002 -002 -002 -002 -002 -002	025 .021 .053 006 009 010 007 .176 .304 .322 .338 .323 .317 .280 .227 .177 .165	060 052 044 006 011 004 112 301 331 341 336 339	-095 -0078 -0069 A= -005 -0006 -006 -191 -331 -360 -352 -318 -249 -200 -187 -182 -195 -276	183172158	- 289 - 280 - 266 - 266 - 205 - 200 - 205 - 220 - 190 - 205 - 248 - 336 - 456 - 582 - 663 - 702 - 719	. 295 . 293 . 293 . 285 . 261 . 236 . 205 . 168 . 144 . 132		2 3 4 5 6 7 8 9 10 11 2 12 13 14 15	.611 .601 .625 .677 .717 .013 .426 -430 -429 -426 .350 .313 .273
5,000 5,500 6,000 -5,500 -5,500 -4,500 -4,500 -2,750 -2,500 -2,250 -2,250 -1,750 -1,500 -1,750 -1,500 -1,750 -1,750 -1,750 -1,750 -1,750	-011 -002 -002 -002 -002 -002 -072 -268 -310 -312 -320 -317 -320 -275 -223 -187 -134 -157 -216	025 021 053 006 009 010 007 176 304 322 338 323 317 280 227 177 185 185 2260	050 052 044 007 006 011 004 112 301 331 341 335 309 252 198 175 167		183 172 158 	- 289 - 280 - 266 - 266 - 206 - 205 - 244 - 345 - 220 - 205 - 248 - 336 - 456 - 456 - 582 - 663 - 702 - 719 - 711	.295 .293 .293 .285 .261 .236 .205 .168 .144 .132		2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	.611 .601 .625 .677 .717 .013 426 429 429 429 .350 .313 .273 .269
5.000 5.500 6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.500	-011 -002 -002 -002 -002 -002 -002 -002	025 .021 .053 006 009 010 007 .176 .304 .322 .338 .323 .317 .280 .227 .177 .165 .185 .260	060 052 044 006 011 004 112 301 331 341 336 309 252 198 175 203 307 203	-095 -0078 -0069 A= -005 -0003 -0006 -191 -331 -352 -318 -249 -200 -187 -182 -276 -417 -505	183172158	- 289 - 280 - 266 - 266 - 266 - 200 - 244 - 345 - 220 - 190 - 205 - 248 - 336 - 456 - 582 - 663 - 702 - 711 - 695	. 295 . 293 . 293 . 285 . 261 . 236 . 205 . 168 . 144 . 132 . 140		2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	.611 .601 .625 .677 .717 .013 426 430 429 426 .350 .313 .273 .269 .311
5,000 5,500 6,000 -5,500 -5,500 -4,500 -4,500 -4,500 -2,500 -2,500 -2,250 -2,250 -1,750 -1,250 -	-011 -002 -002 -002 -002 -002 -072 -268 -310 -312 -320 -317 -320 -275 -223 -187 -134 -157 -216 -301 -395	025 021 053 006 009 010 017 176 322 338 322 339 317 280 227 177 165 185 260 351 437	050 052 044 007 006 011 004 112 301 331 334 336 309 252 198 175 167 203 307 334		183172158		. 295 . 293 . 293 . 285 . 261 . 236 . 205 . 168 . 144 . 132 . 140 . 154 . 190		2 3 4 5 6 7 8 9 10 11 12 13 14 15 6 17 18	.611 .601 .625 .677 .717 .013 426 430 429 426 .350 .313 .273 .269 .311
5.000 5.500 6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -	-011 -002 -002 -002 -002 -072 -268 -310 -312 -320 -317 -320 -275 -223 -187 -134 -157 -216 -301 -301 -305 -305 -305 -305 -305 -305 -305 -305	025 021 005 009 010 007 176 324 338 323 331 280 227 165 185 260 351 437 550	060 052 044 007 006 011 004 112 		183172158	289 280 266 266 266 266 200 204 205 248 205 248 336 456 582 719 711 661	. 295 . 293 . 293 . 285 . 261 . 236 . 205 . 168 . 144 . 132 . 140 . 154 . 190 . 245		2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 7 18 19	611 601 625 677 717 013 - 426 - 430 - 429 - 350 313 273 273 381 381
5.000 5.500 6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.750 -2.250 -1.750 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -3.375 -2.250	-011 -002 -002 -002 -002 -002 -072 -268 -310 -312 -320 -317 -320 -275 -223 -187 -134 -157 -216 -301 -395 -523 -600	025 021 053 006 009 010 017 176 322 338 322 339 317 280 227 177 165 185 260 351 437	060 052 044 007 006 011 006 112 				295 293 293 285 261 236 205 168 114 1132 140 154 1190 245		2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	601 625 677 717 013 - 426 - 430 - 429 - 426 313 273 269 311 398 - 338
5,000 5,500 6,000 -5,500 -5,500 -4,500 -4,500 -4,500 -2,750 -2,500 -2,250 -2,250 -1,750 -1,500 -1,250 -	-011 -002 -002 -002 -002 -002 -072 -268 -310 -312 -320 -317 -320 -275 -223 -187 -134 -157 -216 -301 -395 -523 -600 -6624	025 021 053 006 009 010 017 176 304 322 338 323 317 280 227 1175 185 260 351 437 550 602	060 052 044 007 006 011 004 112 		183172158	- 289 - 280 - 266 - 266 - 266 - 200 -	295 293 293 285 261 236 205 168 114 132 115 115 119 245 321 380		2 3 4 5 6 7 8 9 10 11 12 3 14 15 16 7 18 9 2 2 1	601 601 625 677 717 013 - 426 - 430 - 429 - 350 313 273 273 398 - 338 - 338
5.000 5.500 6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.750 -2.250 -1.750 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -3.375 -2.250	-011 -002 -002 -002 -002 -002 -072 -268 -310 -312 -320 -317 -320 -275 -223 -187 -134 -157 -216 -301 -395 -523 -600	025 021 005 009 010 007 176 324 338 323 331 280 227 165 185 260 351 437 550	060 052 044 007 006 011 006 112 		183172158	289 280 266 266 266 266 200 204 205 248 205 248 336 456 582 719 711 661	295 293 293 285 261 236 205 168 114 1132 140 154 1190 245		2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	601 625 677 717 013 - 426 - 430 - 429 - 426 313 273 269 311 398 - 338
5.000 5.500 6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.250 -2.250 -2.250 -1.250	-011 -002 -002 -002 -002 -002 -002 -0268 -0310 -0312 -0320 -0317 -0320 -275 -023 -187 -134 -157 -223 -184 -157 -216 -0301 -0395 -0523 -6000 -6624 -6615	025 021 053 006 009 010 017 176 304 322 338 323 317 280 227 1175 185 2260 351 437 550 602	060 052 044 007 006 011 004 112 		183172158	- 289 - 280 - 266 - 266 - 266 - 200 -	295 293 293 225 2261 225 168 1144 1122 1140 1154 1190 245 321 380 365		2 3 4 5 6 7 8 9 10 11 12 3 14 15 16 7 18 9 2 2 1	601 601 625 677 717 013 - 426 - 430 - 429 - 350 313 273 273 398 - 338 - 338
5.000 5.500 6.000 -5.500 -5.500 -5.000 -4.500 -4.500 -4.500 -2.500 -2.250 -2.250 -2.250 -1.250	-011 -002 -002 -002 -002 -002 -072 -268 -310 -312 -320 -317 -320 -275 -223 -1134 -157 -216 -301 -395 -523 -600 -624 -615	025 021 053 006 009 017 017 304 322 338 323 338 280 227 165 165 260 351 424	060 052 044 006 011 006 011 004 112 		183172158	- 289 - 280 - 266 - 266 - 266 - 200 -	295 293 293 225 2261 2261 2205 168 1144 1132 1140 1154 190 245 321 380 365		2 3 4 5 6 7 8 9 10 11 12 3 14 15 16 7 18 9 2 2 1	601 601 625 677 717 013 - 426 - 430 - 429 - 350 313 273 273 398 - 338 - 338
5,000 5,500 6,000 -5,500 -5,500 -4,500 -4,500 -2,750 -2,500 -2,250 -2,250 -1,250 -	-011 -002 -002 -002 -002 -002 -072 -268 -310 -312 -320 -317 -320 -317 -320 -317 -320 -275 -223 -187 -134 -157 -216 -301 -395 -523 -600 -624 -615 -426 -430	025 021 053 006 009 010 017 176 324 322 338 327 177 185 280 227 1175 185 260 351 437 455 602	060 052 044 004 011 006 011 004 112 		183172158	- 289 - 280 - 266 - 266 - 266 - 200 -	295 293 293 285 261 205 168 1144 1120 215 205 205 205 205 205 205 205 205 205 20		2 3 4 5 6 7 8 9 10 11 12 3 14 15 16 7 18 9 2 2 1	601 601 625 677 717 013 - 426 - 430 - 429 - 350 313 273 273 398 - 338 - 338
5.000 5.500 6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.500	-011 -002 -002 -002 -002 -072 -268 -310 -312 -320 -317 -320 -275 -134 -157 -216 -301 -395 -523 -600 -624 -615426430453	025 021 053 006 009 010 007 176 304 322 338 323 317 280 227 177 165	060 052 044 007 006 011 000 011		183172158	289 280 266 266 266 266 205 248 225 248 336 456 582 663 702 719 711 655 661 649 626	295 293 293 2285 2261 2261 2205 1168 1144 1132 1140 1154 1154 1150 245 321 380 365		2 3 4 5 6 7 8 9 10 11 12 3 14 15 16 7 18 9 2 2 1	601 601 625 677 717 013 - 426 - 430 - 429 - 350 313 273 273 398 - 338 - 338
5,000 5,500 6,000 -5,500 -5,500 -4,500 -4,500 -4,500 -2,750 -2,500 -2,250 -2,000 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,750 -1,750 -1,750 -1,750 -1,750 -1,750 -1,750 -1,750 -1,750 -1,750 -1,750 -1,750 -1,750 -1,750 -1,750	-011 -002 -002 -002 -002 -072 -268 -310 -312 -320 -317 -320 -317 -320 -275 -223 -187 -134 -157 -216 -301 -395 -523 -600 -624 -615 -426 -430 -453 -4462	025 021 053 006 009 010 017 176 324 338 327 280 227 177 185 2260 351 437 550 602 617 424 432 447	060 052 044		183172158	289286	295 293 293 285 261 236 205 168 1144 1132 1140 1154 1190 245 380 365 335 335 335		2 3 4 5 6 7 8 9 10 11 12 3 14 15 16 7 18 9 2 2 1	601 601 625 677 717 013 - 426 - 430 - 429 - 350 313 273 273 398 - 338 - 338
5.000 5.500 6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -1.500	-011 -002 -002 -002 -072 -268 -310 -312 -320 -317 -320 -275 -223 -187 -134 -157 -216 -301 -395 -523 -600 -624 -615 -426 -430 -4453 -462 -4420	025 021 053 006 009 010 007 176 304 322 338 323 317 280 227 165 185 260 351 424 432 443 443 4451 470 392	060 052 044 007 006 011 000 011 004 112 		183172158	289 280 266 266 266 266 266 271 371 344	295 293 293 225 2261 2261 2205 168 1144 1132 1140 1154 245 321 380 365 -327 -339 -320		2 3 4 5 6 7 8 9 10 11 12 3 14 15 16 7 18 9 2 2 1	601 601 625 677 717 013 - 426 - 430 - 429 - 350 313 273 273 398 - 338 - 338
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. Table 14 Continued
Plate and Spoiler Pressure Coefficients

Configuration 8 M= 1+61 R= 0+23 × 10⁶

				Plate				Spoil	er
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
			The second	Λ= 6	0 0	TE DE		THE MONEY	TEST
						221		1	120
-6.000 -5.500	011	007	009	008	•000	004		1 2	· 430 • 429
-5.000	010	007	006	011	•004	004		3	• 426
-4.500	011	010	006	•003	•002	004		4	.418
-4.000	•014	009	~.006	003	.004	•170	• 206	5	• 407
-3.500	•146	•058	.016	•055	•216	•326	•223	6	.382
-3.000	•216	•203	• 207	• 250	•299	•201	• 229	7	196
-2.750	• 234	• 248	• 245	•273	•303	•174	• 228	8 9	368
-2.500 -2.250	•242	• 247	• 259 • 256	•274	193	•310	•219	10	~. 425
-2.000	239	• 248	•254	• 245	•153	.399	.211	11	450
-1.750	•227	•237	•227	•171	.170	•484	.188	12	• 323
-1.500	•177	•176	•154	•147	•237	•516	.145	13	.325
-1.250	•115	•135	•146	•184	•341	•516	•126	14	.329
-1.000	•136	•165	•197	• 284	0444	•503	• 147	15	• 338
750	•232	•279	•321	•418	• 479 • 469	•490	• 201 • 241	16	• 345 • 332
625	• 328 • 409	•377 •414	•396 •434	• 447	• 465	•468	•274	18	.186
375	416	• 463	• 442	. 460	459	4459	•303	19	~.374
250	• 446	•432	• 439	. 454	• 453	.449	•320	20	342
125	• 441		• 441		•443		•325	21	277
•000	• 446	• 447	• 451	• 455	•451	•449	• 325	22	269
• 250	368	366	~.354	336			375		
• 375	401	408	~.388	355	332		376		
.500	441	442	431	396	346		377	The state of the s	
• 750	404	444	457	433	408	340	335		
1.000	317	346	442	441	417	271	303		
1.250	180	297	~.392	438	376	255	248		
1.500	046	169	~.312	- • 418	348 317	256 265	267 351		
1.750	.061 .028	069	205 078	371 317	302	284	222		
2.000	.028	009	026	249	296	310	084		
2.500	•017	007	.011	170	293	346	005		
2.750	•004	002	•026	083	308	378	.029		
3.000	014	.000	.019	016	340	313	.038		
3.500	035	010	•023	•059	319	313			
4.000	062	002	•010	•036	251	339			
4.500	062	004	•000	•043	177 084	347 317			
5.000	052	006	•005	•041	084	317			
5.500	050 045	001	•003	•030	032	295			
				Λ=	75°			-10 100 100 100	
-6.000	•004	007	006	•003	•001	001		1	.120
-5.500	•001	009	005	•000	•002	002		2	• 122
-5.000	005	007	005	006	•002	006		3 4	•122 •110
-4.500	006	010	009	008	•001	004	.086	5	.102
-4.000 -3.500	•041	007 .005	002	•002	•018	•175	.087	6	•083
-3.000	.089	•061	•048	.074	•147	•218	•083	7	285
-2.750	103	•114	.102	.126	•175	•207	•079	8	141
-2.500	•105	•116	•123	•152	•176	•192	•083	9	213
-2.250	•125	•125	•135	•153	•169	•183	•077	10	303
-2.000	•108	•120	•133	•149	•160	•175	•080	11	340
-1.750	•109	•123	•135	•152	•145	•171	•083	12	•102 •103
-1.500	•108	•113	•128	•139 •113	•138 •138	•169 •162	.080 .079	13	•103
-1.250 -1.000	•068	•114	•116 •105	•113	•143	159	.073	15	.109
~.750	.085	•108	•115	•129	•145	.154	.069	16	.105
~.625	•084	•129	119	•131	.145	.151	.074	17	.095
500	•104	•125	•129	•134	•145	•147	.080	18	.028
375	•105	•142	•121	•140	•145	•145	•091	19	219
250	•134	•123	•128	•145	•145	•140	•095	20	189
~.125	•126	147	•134	. 140	•138	.146	.103	21	163
•000	•139	•141	•145	•149	•145	•145	•102	22	
• 250	~.135	123	108	098			249		
•375	150	152	139	121	093		226		
•500	166	164	163	132	092		216	1000	
• 750	121	146	158	145	091	042	230		
1.000	072	078	131	105	069 075	•022	134 037		
1.250	110	052	100 079	•028	072	.034	•000		
1.500	030	056	065	•042	060	•066	• 006	A Page No. of the	
1.500	~.058	058	042	•041	041	•096	•017		
1.750		051	053	.034	016	.110	•026		
1.750	055		039	.028	.017	.101	•026		
1.750 2.000 2.250	055	055			.051	.050	•025		
1.750	~•057 ~•064	048	036	•028					
1.750 2.000 2.250 2.500 2.750 3.000	057 064 072	048 048	036	•028	.061	114	•022		
1.750 2.000 2.250 2.500 2.750 3.000 3.500	057 064 072 059	048 048 047	036 039 019	•028 •023	•061 •032	205	•022		
1.750 2.000 2.250 2.500 2.750 3.000 3.500 4.000	057 064 072 059 063	048 048 047 040	036 039 019 021	.028 .023 .023	.061 .032 .013	205 188	•022		
1.750 2.000 2.250 2.500 2.750 3.000 3.500 4.000 4.500	057 064 072 059 063	048 048 047 040 050	036 039 019 021 021	•028 •023 •023 •024	.061 .032 .013	205 188 135	•022		
1.750 2.000 2.250 2.500 2.750 3.000 3.500 4.000	057 064 072 059 063	048 048 047 040	036 039 019 021	.028 .023 .023	.061 .032 .013	205 188	•022		

Table 14 Continued
Plate and Spoiler Pressure Coefficients

Configuration 8 M= 1.61 R= 0.23 x 106

		Comm	guration 8	M= 1	•01	R= 0.23	X 10 °		
	T Row O	I Daw I	1 0- 3	Plate	1 5			Spo	iler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
- 12.00				Λ= -	15				
-6.000 -5.500	014	014	011	•203 •286	•269 •285	•184 •182		1 2	• 479
-5.000	•032	•071	• 253	•304	•292	•175		3	• 425
-4.500	• 254	•274	•306	•323	•303	•164		4	. 433
-4.000	•316	•320	•327	•325	•316	•182	•339	5	.485
-3.500	•330	•332	•342	•339	•332	•220	•353	6	.562
-3.000 -2.750	•335	• 343	•348	•352	•336	• 261	•353	7	• 372
-2.500	•341	•359	•353 •354	• 358	•332	•277	•354	8	350
-2.250	•361	• 354	• 362	•355 •354	•326 •321	•293 •310	• 357 • 351	10	350 350
-2.000	•349	•354	•359	•352	•313	•326	•344	11	347
-1.750	• 353	• 358	•357	•347	•316	•348	• 335	12	• 448
-1.500	•348	•349	.344	•334	•321	•370	•320	13	.380
-1.250	•330	• 343	• 336	• 321	•334	•395	•308	14	• 360
-1.000 750	•331	• 328	•316	• 326	•351	•428	•292	15	• 382
- + 625	•318	•321	•323	• 347	•382	• 467	• 289	16	• 429
500	•343	•351	•334 •357	•360 •388	• 405 • 435	•493 •510	•293 •307	17	• 499
375	•370	•378	•392	• 426	•471	•533	•338	18	364
250	•422	• 429	• 442	• 483	•520	•541	·396	20	370
125	•513		•525		•542		• 489	21	371
•000	•520	•522	•515	•525	•523	•522	•491	22	366
• 250	349	352	344	339			369		
•375	346	357	344	344	340		375	The same of the sa	
•500	354	356	354	342	342		377	Talle III	
• 750	354	361	355	347	345	347	371	41194 94	
1.000	354	317	354	355	350	348	357		
1.500	330	347	350	346	352	354	326		
1.750	222	311	341 323	340 331	359 358	359	-•293 -•259		
2.000	284	287	263	314	352	362 359	223		
2.250	250	260	276	293	342	362	194		
2.500	230	234	247	274	334	362	164		
2.750	211	209	218	250	316	360	140		
3.000	187	185	199	230	299	360	123	and the state of t	
3.500	149	146	144	174	249	359		The same of the same	
4.000	114	113	110	129	216	352			
5.000	079	087	094 058	099	182	341		21199	
5.500	073	047	053	069	125	321			
6.000	052	037	040	037	018	272			
			1	Λ= -3	10°		-		
-6.000	015	•020	•234	• 262	•218	•109		1	• 341
-5.500	•067	•209	•275	.270	•219	•109		2	.278
-5.000	• 256	• 279	• 286	• 266	•220	.105		3	. 255
-4.500	•300	•299	•290	•273	•226	•121		4	• 262
-4.000	•311	• 305	•286	• 262	•232	•154	• 325	5	•303
-3.500 -3.000	•307	· 295	• 282	• 266	•240	•183	• 342	6	• 375
-2.750	302	•310	•281 •290	• 273 • 263	• 240	•201	• 345 • 342	7 8	273
-2.500	.291	• 291	•281	• 262	.238	•208	•334	9	280
-2.250	•302	• 286	•274	•254	•229	•211	•309	10	-0274
-2.000	•271	• 275	• 265	• 250	.218	•216	• 274	11	261
-1.750	•259	•259	•252	•242	•211	•222	•231	12	.604
-1.500	•232	•237	•230	•223	•206	.232	•200	13	•536
-1 • 250 -1 • 000	•191	•216	•212	•207	.205	•249	• 186	14	• 467
750	•185 •173	•193 •183	•195 •189	•195 •203	•212	•278	• 180	15	• 484
625	•182	•176	•192	•215	•232 •251	•319 •342	•198 •232	16	•589 •756
500	.201	•187	•208	.234	.285	•366	.302	18	•666
375	•224	•233	•242	•279	•333	•388	•408	19	453
250	• 282	•290	•304	.349	•376	•393	•559	20	449
125	•384		•389		•398		.651	21	445
•000	•379	•379	•371	• 386	•380	•378	•627	22	428
• 250	285	289	278	274			457		
• 375	282	294	287	286	279		- 454	1 2 2 2 2 2 2 2	
•500	294	297	297	294	286	The Late of the La	456		
• 750	307	315	313	308	301	295	456		
1.000	311 306	-•284	-•328	329	323	313	422		
1.500	304	321 305	326	338 338	345	339 357	384 332		
1.750	192	255	281	332	368	368	281	150	
10/50	229	218	226	323	384	388	231		
	192	199	237	310	389	422	189		
2.000		182	216	289	376	429	158	Library Line	
2.000 2.250 2.500	165			269	346	390	135		
2.000 2.250 2.500 2.750	139	166	181						
2.000 2.250 2.500 2.750 3.000	-•139 -•136	-•166 -•136	142	222	329	424	087		
2.000 2.250 2.500 2.750 3.000 3.500	139 136 085	166 136 076	142	222 158	329 291	-•424 -•422	087		
2.000 2.250 2.500 2.750 3.000 3.500 4.000	139 136 085 038	-•166 -•136 -•076 -•063	142 094 090	222 158 127	329 291 207	-•424 -•422 -•402	-•087	346	
2 · 000 2 · 250 2 · 500 2 · 750 3 · 000 4 · 500	139 136 085 038 051	-•166 -•136 -•076 -•063 -•056	142 094 090 044	222 158 127 026	329 291 207 211	-•424 -•422 -•402 -•338	-•087		
2.000 2.250 2.500 2.750 3.000 3.500 4.000	139 136 085 038	-•166 -•136 -•076 -•063	142 094 090	222 158 127	329 291 207	-•424 -•422 -•402	-•087		

Table 14 Continued
Plate and Spoiler Pressure Coefficients

Configuration 8 M= 1.61 R= 0.23 x 106

				Plate				Spoiler
:-	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.
x, in.	1 104 0	11011	11011 5	Λ= -4		1,041	1104 3	Office 140.
				V= -+				
-6.000 -5.500	014	•072	•243	• 255	•205	•056		1 362 339
-5.500	•037		• 258	• 254	•217	•036		3 •311
-5.000	•216	• 255	• 266	• 254	•224	•012		
-4.500	•264	• 271	•274	• 260	•229	•025	200	4 • 302
-4.000	•278	• 269	• 268	• 257	•223	•072	• 235	5 .329
-3.500	•278	• 264	.266	• 250	.207	.104	• 298	6 • 398
-3.000	•273	• 263	• 258	.228	•171	.109	•310	7 •147
-2.750	•270	•279	.252	•212	.157	•117	•311	8238
		• 255	.234	•192	•146	•123	•310	9 255
-2.500	•261					129	• 292	10250
-2.250	•253	• 235	•207	•166	•126			
-2.000	•211	•199	•183	• 145	•116	•140	• 256	11243
-1.750	•178	•167	•160	•140	•123	•169	• 202	12 .648
-1.500	•147	•134	•131	•131	•139	•204	•171	13 .650
-1.250	•099	•125	•114	•121	•159	.250	•157	14 .654
-1.000	•119	•128	•118	•137	•187	.289	.176	15 .674
750	•149	.151	.160	•176	•235	•311	• 267	16 .701
	•178	•175	•192	•218	•275	.339	•362	17 •702
625				. 263		•353	• 483	18 •475
500	•224	• 225	• 224		•321			
375	•275	•279	• 295	• 321	•353	•364	• 578	19443
250	•330	•328	•333	• 365	•370	•371	•638	20433
125	•374		•375		•380		•653	21 430
•000	•377	• 377	•368	•381	•377	•376	•644	22408
• 250	234	238	239	245			456	
•375	234	247	247	250	251		- 6 4 4 5	
					260		453	
•500	247	254	260	262		202		
• 750	274	282	291	284	286	292	460	
1.000	-,301	-,278	325	316	314	319	- • 447	
1.250	307	362	355	342	348	351	420	
1.500	369	393	383	365	369	382	371	
1.750	242	313	320	371	387	399	272	
2.000	279	245	-,287	386	410	408	137	
				396	429	435	026	
2.250	208	237	383					
2.500	135	306	389	400	428	450	.019	
2.750	090	336	362	362	423	444	•040	
3.000	165	270	266	345	-,411	439	•041	
3.500	•010	•046	.015	109	334	436		
4.000	•126	•051	•018	.013	050	371		
4.500	•092	•024	013	.047	•051	228		
					002	-,144		
5.000	•058	•007	002	•032				
5.500	•033	005	•002	•007	060	222		
6.000	•025	006	•011	025	125	-•299	LAND TO THE REAL PROPERTY.	
				Λ= -6	o°			
				201	•195	•018		1 • 329
-6.000	001	•010	•144	•194				
	001	•010 •058	•144	•194	.201	•031		2 • 332
-5.500	002	•058	•171	•194	•201	•031		
-5.500 -5.000	002 .033	•058 •136	•171 •196	•194 •199	•201 •205	.031 .047		2 • 332 3 • 333
-5.500 -5.000 -4.500	002 .033 .124	.058 .136 .180	•171 •196 •202	•194 •199 •215	•201 •205 •212	.031 .047 .099	002	2 • 332 3 • 333 4 • 331
-5.500 -5.000 -4.500 -4.000	002 .033 .124 .185	.058 .136 .180 .202	•171 •196 •202 •217	•194 •199 •215 •208	•201 •205 •212 •202	.031 .047 .099 .121	002	2 • 332 3 • 333 4 • 331 5 • 320
-5.500 -5.000 -4.500 -4.000 -3.500	002 .033 .124 .185 .207	.058 .136 .180 .202	•171 •196 •202 •217 •227	.194 .199 .215 .208	•201 •205 •212 •202 •194	.031 .047 .099 .121	•096	2 • 332 3 • 333 4 • 331 5 • 320 6 • 290
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000	002 .033 .124 .185 .207 .218	.058 .136 .180 .202 .214 .214	•171 •196 •202 •217 •227 •214	.194 .199 .215 .208 .208	•201 •205 •212 •202 •194 •153	.031 .047 .099 .121 .137	•096 •205	2
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750	-,002 .033 .124 .185 .207 .218	.058 .136 .180 .202 .214 .214	.171 .196 .202 .217 .227 .214	.194 .199 .215 .208 .208 .208	.201 .205 .212 .202 .194 .153	.031 .047 .099 .121 .137 .170	.096 .205 .225	2
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000	-,002 .033 .124 .185 .207 .218 .216	.058 .136 .180 .202 .214 .214 .233	.171 .196 .202 .217 .227 .214 .223	.194 .199 .215 .208 .208 .208	.201 .205 .212 .202 .194 .153 .137	.031 .047 .099 .121 .137 .170	.096 .205 .225 .236	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500	-,002 .033 .124 .185 .207 .218	.058 .136 .180 .202 .214 .214	171 196 202 217 227 214 223 216	.194 .199 .215 .208 .208 .208 .197 .184	•201 •205 •212 •202 •194 •153 •137 •132	.031 .047 .099 .121 .137 .170 .188 .210	.096 .205 .225 .236 .240	2 332 3 233 4 331 5 320 6 290 7 -188 8 -154 9 -162
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.500	-,002 .033 .124 .185 .207 .218 .216 .212	.058 .136 .180 .202 .214 .214 .233 .219	171 196 202 217 227 214 223 216	.194 .199 .215 .208 .208 .208 .197 .184	•201 •205 •212 •202 •194 •153 •137 •132	.031 .047 .099 .121 .137 .170	.096 .205 .225 .236	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000	002 .033 .124 .185 .207 .218 .216 .212 .229	.058 .136 .180 .202 .214 .214 .233 .219 .213	•171 •196 •202 •217 •227 •214 •223 •216 •203 •177	.194 .199 .215 .208 .208 .208 .197 .184 .149	• 201 • 205 • 212 • 202 • 194 • 153 • 137 • 132 • 135	.031 .047 .099 .121 .137 .170 .188 .210 .230	.096 .205 .225 .236 .240	2 332 3 233 4 331 5 320 6 290 7 -188 8 -154 9 -162
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750	002 .033 .124 .185 .207 .218 .216 .212 .229 .199	.058 .136 .180 .202 .214 .214 .233 .219 .213 .198	•171 •196 •202 •217 •227 •214 •223 •216 •203 •177 •146	.194 .199 .215 .208 .208 .208 .197 .184 .149	• 201 • 205 • 212 • 202 • 194 • 153 • 137 • 132 • 135 • 152 • 184	.031 .047 .099 .121 .137 .170 .188 .210 .230 .255	.096 .205 .225 .236 .240 .237	2 332 3 333 4 331 5 320 6 290 7 -188 8 -154 9 -162 10 -183 11 -242 12 42
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.750 -1.500	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169	.058 .136 .180 .202 .214 .213 .219 .213 .198 .165	•171 •196 •202 •217 •227 •214 •223 •216 •203 •177 •146 •121	.194 .199 .215 .208 .208 .208 .197 .184 .149 .126	• 201 • 205 • 212 • 202 • 194 • 153 • 137 • 132 • 135 • 152 • 184 • 222	.031 .047 .099 .121 .137 .170 .188 .210 .230 .255	.096 .205 .225 .236 .240 .237 .216	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.500 -1.500 -1.500	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125	.058 .136 .180 .202 .214 .214 .233 .219 .213 .198 .165 .125	•171 •196 •202 •217 •227 •214 •223 •216 •203 •177 •146 •121	.194 .199 .215 .208 .208 .208 .197 .184 .149 .126 .128	• 201 • 205 • 212 • 202 • 194 • 153 • 137 • 132 • 135 • 155 • 154 • 222 • 260	.031 .047 .099 .121 .137 .170 .188 .210 .230 .255 .281 .296	.096 .205 .225 .236 .240 .237 .216 .157	2 332 3 333 4 331 5 320 6 290 7188 8154 9182 10183 11242 12 424 13 449 14 449
-5,500 -5,000 -4,500 -4,500 -3,500 -2,750 -2,500 -2,500 -2,500 -2,500 -1,750 -1,500 -1,250 -1,000	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094	.058 .136 .180 .202 .214 .214 .233 .219 .213 .198 .165 .125	171 196 202 217 227 214 223 216 203 177 146 121	.194 .199 .215 .208 .208 .208 .197 .184 .149 .126 .128	201 205 212 202 194 153 137 132 135 152 184 222 260	.031 .047 .099 .121 .137 .170 .188 .210 .230 .255 .281 .296	.096 .205 .225 .236 .240 .237 .216 .157 .129	2 332 3 333 4 331 5 320 6 290 7 =168 8 =154 9 =162 10 =183 11 -242 12 424 13 449 14 449 15 449
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.500 -1.500 -1.500 -1.750	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162	.058 .136 .180 .202 .214 .214 .233 .219 .213 .198 .165 .125 .134 .176	171 196 202 217 227 214 223 216 203 177 146 121 146 187	.194 .199 .215 .208 .208 .208 .197 .184 .149 .126 .128 .142 .778 .239	.201 .205 .212 .202 .194 .153 .137 .135 .135 .135 .222 .260 .289	.031 .047 .099 .121 .137 .170 .188 .210 .230 .255 .281 .296 .304 .308	.096 .205 .225 .236 .240 .237 .216 .157 .129 .168	2 332 3 333 4 331 5 320 6 290 7 168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 444
-5,500 -5,000 -4,500 -4,500 -3,500 -2,750 -2,500 -2,500 -2,500 -2,500 -1,750 -1,500 -1,250 -1,000	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094	.058 .136 .180 .202 .214 .214 .233 .219 .213 .198 .165 .125	171 196 202 217 227 214 223 216 203 177 146 1121 146 1187 263	. 194 . 199 . 215 . 208 . 208 . 208 . 197 . 184 . 149 . 126 . 128 . 239 . 286	201 205 212 202 194 153 137 132 135 184 222 260 289	.031 .047 .099 .121 .137 .170 .188 .210 .230 .230 .255 .281 .296 .304 .308 .313	.096 .205 .225 .236 .240 .237 .216 .157 .129 .168 .307	2 332 3 333 4 331 5 320 6 290 7 -188 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 4414 16 402 17 366
-5.500 -5.000 -4.500 -4.000 -3.500 -2.750 -2.500 -2.250 -2.250 -1.500 -1.250 -1.250 -1.000 -7.50 -1.000 -7.50	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .1094 .162 .245	.058 .136 .180 .202 .214 .214 .233 .219 .213 .198 .165 .125 .134 .176	171 196 202 217 227 214 223 216 203 1177 1146 1121 146 187 263	. 194 . 199 . 215 . 208 . 208 . 208 . 208 . 197 . 184 . 149 . 126 . 128 . 239 . 266 . 302	.201 .205 .212 .202 .194 .153 .137 .135 .135 .135 .222 .260 .289	.031 .047 .099 .121 .137 .170 .188 .210 .235 .281 .296 .304 .308 .313 .315	.096 .205 .225 .236 .240 .237 .216 .157 .129 .168 .307 .390	2 332 3 333 4 331 5 320 6 290 7 =168 8 =154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 414 16 402 17 366 18 130
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,500 -2,500 -2,500 -2,500 -1,500 -1,500 -1,500 -1,500 -1,500 -1,500 -1,500 -1,500 -1,500 -1,500 -1,500	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286	0.58 136 180 202 214 214 224 233 219 219 185 185 125 134 176 261 312	171 196 202 217 227 214 223 216 203 1177 1146 1121 146 187 263	. 194 . 199 . 215 . 208 . 208 . 208 . 208 . 197 . 184 . 149 . 126 . 128 . 239 . 266 . 302	201 205 212 202 194 1153 1137 1132 1155 1552 1184 222 220 289 301	.031 .047 .099 .121 .137 .170 .188 .210 .230 .230 .255 .281 .296 .304 .308 .313	.096 .205 .225 .236 .240 .237 .216 .157 .129 .168 .307	2 332 3 333 4 331 5 320 6 290 7 -188 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 414 16 402 17 366 18 180
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,750 -2,500 -2,250 -2,000 -1,750 -1,500 -1,500 -1,750 -1,500 -1	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286	0.58 136 180 202 214 214 214 2219 223 198 165 125 134 176 261 312 336	171 196 202 217 227 214 223 216 203 177 146 121 146 187 263 284 286	194 199 215 208 208 208 208 197 1149 1126 128 142 178 239 286 302	201 205 212 202 194 1153 1137 1135 1135 1222 220 289 301 315 315	.031 .047 .099 .121 .137 .170 .230 .255 .281 .296 .304 .308 .313 .315 .325	.096 .205 .225 .236 .240 .237 .216 .157 .129 .168 .307 .390	2 332 3 233 4 331 5 320 6 290 7 -188 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 414 16 402 17 366 18 180
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,750 -2,500 -2,250 -2,500 -1,500 -1,500 -1,500 -1,500 -1,500 -3,750 -3,500	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311	0.58 136 180 202 214 214 224 233 219 219 185 185 125 134 176 261 312	171 196 202 217 227 214 223 216 203 177 146 121 146 187 283 286 326	. 194 . 199 . 215 . 208 . 208 . 208 . 208 . 197 . 184 . 149 . 126 . 128 . 239 . 266 . 302	201 205 212 202 194 1153 1137 1135 135 122 220 289 301 315 315 322 329	.031 .047 .099 .121 .137 .170 .188 .210 .235 .281 .296 .304 .308 .313 .315	.096 .205 .225 .236 .240 .237 .216 .157 .129 .168 .307 .390 .428 .432	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 414 16 402 17 366 18 -180 19 -372
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,750 -2,500 -2,250 -2,000 -1,750 -1,500 -1,750 -1,500 -1,750 -3,750	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311	0.58 1136 1180 202 214 214 214 213 219 213 198 165 125 126 231 241 332 302 336 330	171 196 202 217 227 214 223 216 203 177 146 1121 146 187 284 286 326	194 199 215 208 208 208 197 184 1149 126 128 142 178 239 286 302 321	201 205 212 202 194 1153 1137 1135 1752 184 222 220 220 229 301 315 315 322 329	031 047 099 121 137 170 188 210 223 225 281 296 304 308 313 315 325 329	.096 .205 .225 .236 .240 .237 .216 .157 .129 .168 .307 .390 .428 .431	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,750 -2,500 -2,250 -2,500 -1,500 -1,500 -1,500 -1,500 -1,500 -3,750 -3,500	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311	0.58 136 180 202 214 214 214 2219 223 198 165 125 134 176 261 312 336	171 196 202 217 227 214 223 216 203 177 146 121 146 187 283 286 326	194 199 215 208 208 208 208 197 1149 1126 128 142 178 239 286 302	201 205 212 202 194 1153 1137 1135 135 122 220 289 301 315 315 322 329	.031 .047 .099 .121 .137 .170 .230 .255 .281 .296 .304 .308 .313 .315 .325	.096 .205 .225 .236 .240 .237 .216 .157 .129 .168 .307 .390 .428	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 414 16 402 17 366 18 180 19 -372 20 -316 21 -317
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,750 -2,500 -2,250 -2,000 -1,750 -1,500 -1,750 -1,500 -1,750 -3,750	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311	0.58 136 180 202 214 214 224 233 229 219 198 165 125 134 176 261 312 302 336 330	171 196 202 217 227 214 223 216 203 177 146 121 148 284 286 325 323	. 194 . 199 . 215 . 208 . 208 . 208 . 197 . 184 . 149 . 126 . 128 . 142 . 178 . 239 . 286 . 302 . 302 . 321 . 336	201 205 212 202 194 1153 1137 1135 155 212 260 289 301 315 315 322 329	031 047 099 121 137 170 188 210 223 225 281 296 304 308 313 315 325 329	.096 .205 .225 .236 .220 .237 .216 .157 .129 .168 .307 .390 .428 .431 .432 .432	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 402 17 366 18 -180 19 -372 20 -316 21 -316 21 -316
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,750 -2,500 -2,250 -2,500 -1,500 -1,500 -1,500 -1,500 -1,500 -1,500 -2,500 -1,500 -1,500 -1,500 -1,500 -2,500	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311 .318 .325 .330	0.58 1136 1180 202 214 214 214 213 129 213 198 165 125 125 134 176 201 312 306 330	171 196 202 217 227 214 223 216 203 177 146 1121 146 187 284 286 326 316 325	194 199 215 208 208 208 208 197 184 149 126 128 142 178 239 286 302 321 336	201 205 212 202 194 153 137 132 135 172 222 260 289 301 315 322 329 329	031 047 099 121 137 170 188 210 223 225 281 296 304 308 313 315 325 329	.096 .205 .225 .226 .240 .237 .216 .157 .129 .168 .307 .390 .428 .431 .430 .428	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,750 -2,500 -1,750 -1,500 -1,250 -1,000 -1,250 -2,000 -2,250 -2,000 -1,250 -2,000 -2,250 -2,000 -2,250 -2,000 -2,250 -2,000 -2,250 -2,000 -2,250 -2,000 -2,250	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .2245 .286 .311 .318 .325 .330 .331	.058 .136 .180 .202 .214 .214 .214 .233 .219 .213 .198 .165 .125 .134 .176 .261 .312 .302 .336 .330 .336	171 196 202 217 227 214 223 216 203 1177 1146 1121 146 1187 263 284 286 326 325 323	194 199 215 208 208 208 208 197 184 149 126 128 142 178 239 286 302 302 321 336	201 205 212 202 194 153 137 135 152 222 260 289 301 315 329 329	031 047 099 121 137 170 188 210 223 225 281 296 304 308 313 315 325 329	.096 .205 .225 .236 .220 .237 .216 .157 .129 .168 .307 .390 .428 .431 .432 .432	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,250 -2,250 -2,250 -1,500	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311 .318 .225 .330 .331	0.58 136 180 202 214 214 2214 223 229 218 198 165 125 134 176 261 302 336 330 -145 -140 -162	171 196 202 217 227 214 223 216 203 177 146 121 146 187 284 286 326 316 325 323	. 194 . 199 . 215 . 208 . 208 . 208 . 208 . 197 . 184 . 149 . 126 . 128 . 142 . 178 . 239 . 286 . 302 . 302 . 302 . 302 . 302 . 303 . 304 . 305 . 306 . 307 . 307	.201 .205 .212 .202 .194 .153 .137 .135 .135 .135 .135 .135 .135 .135 .135	.031 .047 .099 .121 .137 .188 .210 .230 .255 .281 .296 .304 .308 .315 .315 .325 .329	.096 .205 .225 .236 .2240 .237 .216 .157 .129 .188 .307 .390 .428 .431 .430 .428	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,750 -2,250 -2,250 -1,250 -1,250 -1,250 -1,250 -1,250 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -3,75 -2,500 -3,75	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .2245 .286 .311 .318 .325 .330 .331	0.58 1136 1180 2002 214 214 213 219 213 198 165 125 134 176 261 310 336 330 136 -145 -140 -162 -295	171 196 202 217 227 214 223 216 203 1177 1146 1121 146 1187 263 284 266 325 325 323	. 194 . 199 . 215 . 208 . 208 . 208 . 208 . 197 . 184 . 149 . 128 . 142 . 178 . 239 . 286 . 302 . 302 . 321 . 336 . 329 142 157 178 279	201 205 212 202 194 153 137 132 135 152 220 289 301 315 322 329 329 329	.031 .047 .099 .121 .137 .170 .188 .210 .235 .281 .296 .304 .308 .313 .313 .325 .329 .332	.096 .205 .225 .236 .240 .237 .216 .157 .129 .168 .307 .390 .428 .432 .431 .430 .428	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,500 -2,500 -2,250 -2,000 -1,750 -1,500 -1,500 -1,500 -1,500 -2,500 -2,500 -2,500 -2,500 -1,500 -2,500 -2,500 -2,500 -2,500 -3,500	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311 .318 .225 .330 .331	0.58 136 180 202 214 214 214 2214 2213 198 165 125 134 176 261 312 302 336 330 -145 -140 -1162 -295	171 196 202 217 227 214 223 216 203 177 146 121 146 187 263 284 286 326 318 325 323	. 194 . 199 . 215 . 208 . 208 . 208 . 208 . 197 . 184 . 149 . 126 . 128 . 142 . 178 . 239 . 266 . 302 . 302 . 302 . 321 . 336 . 329 . 142 . 157 . 178 . 279 . 362	. 201 . 205 . 212 . 202 . 194 . 153 . 137 . 135 . 135 . 135 . 135 . 222 . 220 . 289 . 301 . 315 . 315 . 322 . 329 . 329 . 329	.031 .047 .099 .121 .137 .188 .210 .230 .255 .281 .296 .304 .308 .315 .325 .329 .332	.096 .205 .225 .236 .240 .237 .216 .157 .129 .168 .307 .390 .428 .431 .430 .428 -396 -398 -399 -277	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,000 -2,750 -2,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,250	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .286 .311 .318 .325 .330 .331 151 .355 162 .282 .328	.058 .136 .180 .202 .214 .214 .213 .219 .213 .198 .165 .125 .125 .134 .176 .261 .312 .302 .336 .330 .336 .145 .140 .162 .295 .309 .418	171 196 202 217 227 214 223 216 203 177 146 121 146 187 263 284 286 226 325 323 -147 -152 -176 -305 -3483	194 199 215 208 208 208 208 197 184 149 126 128 142 278 286 302 302 321 336 329	201 205 212 202 194 1153 137 132 135 152 220 289 301 315 322 329 329 329 329 -158 -189 -247 -304 -4401	.031 .047 .099 .121 .137 .170 .188 .210 .255 .281 .296 .304 .308 .313 .311 .325 .329 .329	.096 .205 .225 .236 .240 .216 .157 .129 .168 .307 .390 .428 .431 .430 .428 .338 .338 .338 .338 .338 .338 .338 .3	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,250 -2,250 -2,250 -1,250	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311 .318 .225 .330 .331 151 135 162 282 .389	0.58 136 180 202 214 214 214 2214 2219 2213 198 165 125 134 176 261 312 336 330 -145 -140 -162 -295 -309 -418	171 196 202 217 227 214 223 216 203 177 146 121 146 187 286 316 325 323 -147 -152 -176 -3358 -433 -4405	. 194 . 199 . 215 . 208 . 208 . 208 . 208 . 197 . 184 . 149 . 126 . 128 . 142 . 178 . 239 . 286 . 302 . 332 . 336 . 329 . 142 . 157 . 178 . 279 . 362 . 413 . 408	201 205 212 202 202 2194 2153 2137 1132 1135 1752 2184 222 2260 289 301 315 315 322 329 329 -158 -1158 -189 -247 -304 -4401 -4438	.031 .047 .099 .121 .137 .188 .210 .255 .281 .296 .304 .308 .315 .325 .329 .329 .329	.096 .205 .225 .236 .240 .237 .216 .157 .129 .188 .307 .390 .428 .431 .431 .432 .431 .438 .394 .395 .394 .395 .395 .395 .395 .395 .395 .395 .395	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,750 -2,500 -2,250 -2,500 -1,500 -1,500 -1,500 -3,500	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .286 .311 .318 .325 .330 .331 151 .325 .330 .331	.058 .136 .180 .202 .214 .214 .213 .219 .213 .198 .165 .125 .125 .134 .176 .261 .312 .302 .336 .330 .336 .145 .140 .145 .140 .145 .294 .188 .380	171 196 202 217 227 214 223 216 203 177 146 121 146 187 263 284 286 226 325 325 -147 -152 -176 -305 -348 -443 -443	194 199 215 208 208 208 208 197 184 149 126 128 142 278 286 302 321 336 329 -142 -157 -178 -279 -362 413 -408-383	201 205 212 202 194 1153 137 132 135 152 135 152 220 289 301 315 322 289 329 329 329 -158 -189 -247 -304 -4401 -4438 -424	031 047 099 121 137 170 188 210 225 281 296 304 308 313 325 329 332	.096 .205 .225 .236 .240 .216 .157 .129 .168 .307 .390 .428 .431 .430 .428 .394 .394 .396 .398 .399 .399 .277 .277 .277 .277 .277 .277 .277 .2	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,250 -2,250 -2,250 -1,250	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311 .318 .225 .330 .331 151 135 162 282 .389	0.58 136 180 202 214 214 214 2214 2219 2213 198 165 125 134 176 261 312 336 330 -145 -140 -162 -295 -309 -418	171 196 202 217 227 214 223 216 203 177 146 121 146 187 286 316 325 323 -147 -152 -176 -305 -388 -443 -405 -334	194 199 215 208 208 208 208 197 184 149 126 128 142 178 239 286 302 321 336 329 -142 -157 -178 -279 -362 -448 -383 -321	201 205 212 202 202 2194 2153 2137 135 152 2184 222 220 229 301 315 312 329 329 329 -158 -189 -247 -304 -4438 -4448 -388	031 047 099 121 137 1188 210 2230 2255 281 296 308 313 315 325 329 332 -241 -293 -360 -404 -448 -448	.096 .205 .225 .236 .240 .237 .216 .157 .129 .168 .307 .390 .428 .431 .452 .428 .394 .428 .394 .428	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,000 -4,500 -4,500 -4,500 -3,500 -3,500 -2,250 -2,000 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311 .318 .325 .330 .331 151 .335 162 .282 .388 388	.058 .136 .180 .202 .214 .214 .214 .233 .219 .218 .185 .125 .125 .134 .176 .261 .312 .336 .330 .336 .336 .346 .140 .162 .295 .309 .418 .380 .294	171 196 202 217 227 214 223 216 203 177 146 121 146 187 263 284 286 226 325 325 -147 -152 -176 -305 -348 -443 -443	194 199 215 208 208 208 208 197 184 149 126 128 142 278 286 302 321 336 329 -142 -157 -178 -279 -362 413 -408-383	201 205 212 202 194 1153 137 132 135 152 135 152 220 289 301 315 322 289 329 329 329 -158 -189 -247 -304 -4401 -4438 -424	031 047 099 121 137 170 188 210 225 281 296 304 308 313 325 329 332	. 096 . 205 . 225 . 236 . 240 . 237 . 216 . 157 . 129 . 168 . 307 . 390 . 428 . 431 . 430 . 428 . 390 . 388 . 394 . 389 . 389 . 394 . 389 . 394 . 389 . 396 . 389 . 396 . 396	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,250 -2,250 -2,250 -2,250 -1,500 -1,500 -1,500 -1,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -3,75 -3,7	-002 033 1124 1185 207 218 216 2116 212 229 1199 1169 125 094 1162 2245 286 311 318 325 330 331 -151 -135 -162 -222 -328 -328 -329 -3	.058 .136 .180 .202 .214 .213 .219 .213 .198 .165 .125 .134 .176 .261 .312 .302 .336 .330 .336 .145 .140 .167 .294 .167 .294 .167	171 196 202 217 227 214 223 216 203 177 146 121 146 187 286 316 325 323 -147 -152 -176 -305 -388 -443 -405 -334	194 199 215 208 208 208 208 197 184 149 126 128 142 178 239 286 302 321 336 329 -142 -157 -178 -279 -362 -448 -383 -321	201 205 212 202 202 2194 2153 2137 135 152 2184 222 220 229 301 315 312 329 329 329 -158 -189 -247 -304 -4438 -4448 -388	031 047 099 121 137 1188 210 2230 2255 281 296 308 313 315 325 329 332 -241 -293 -360 -404 -448 -448	.096 .205 .225 .236 .240 .237 .216 .157 .129 .168 .307 .390 .428 .432 .431 .450 .428 .394 .394 .398 .398 .399 .399 .399 .399 .399 .399	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -2,500 -2,500 -2,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311 .318 .325 .330 .331 151 .135 162 .292 .293 .399 .399 .399 .399 .399 .39	.058 .136 .180 .202 .214 .214 .214 .219 .219 .185 .125 .125 .126 .261 .312 .336 .330 .336 .345 .145 .140 .162 .295 .309 .418 .380 .294 .167 .007	171 196 202 217 227 214 223 216 203 177 146 121 146 187 284 286 316 325 323 -117 -152 -176 -305 -348 -405 -334 -200 -123 -078	. 194 . 199 . 215 . 208 . 208 . 208 . 197 . 184 . 149 . 126 . 128 . 142 . 178 . 239 . 286 . 302 . 321 . 336 . 329 . 142 . 157 . 178 . 279 . 362 . 408 . 383 . 383 . 329 . 142 . 163	201 205 212 202 202 202 204 2153 2137 2135 2152 2260 229 301 315 312 220 329 329 329 329 -158 -189 -247 -304 -448 -4401 -448 -4424 -388 -371 -304	.031 .047 .099 .121 .170 .188 .210 .230 .255 .281 .296 .304 .308 .315 .315 .325 .329 .332	. 096 . 205 . 225 . 236 . 240 . 237 . 216 . 157 . 129 . 168 . 307 . 390 . 428 . 431 . 430 . 428 . 390 . 388 . 394 . 389 . 389 . 394 . 389 . 394 . 389 . 396 . 389 . 396 . 396	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,250 -2,250 -2,250 -1,500 -1,500 -1,500 -1,500 -3,75 -2,500 -3,75 -2,000 -1,750 -1,250	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311 .318 .225 .330 .331 151 35 .282 380 389 219 202 .389 219 202 .389 219 202 .389 219 .389	.058 .136 .180 .202 .214 .214 .2214 .223 .219 .219 .165 .125 .134 .176 .261 .302 .336 .330 .336 .145 .140 .162 .295 .309 .418 .380 .294 .167 .067 .007	171 196 202 217 227 214 223 216 203 177 146 121 146 187 284 286 316 325 323 -147 -152 -176 -305 -348 -405 -334 -200 -123 -078 -026	. 194 . 199 . 215 . 208 . 208 . 208 . 208 . 197 . 184 . 149 . 126 . 128 . 142 . 178 . 239 . 266 . 302 . 321 . 336 . 329 . 142 . 157 . 178 . 279 . 362 . 413 . 408 . 383 . 321 . 244 . 163 . 089	- 201 - 205 - 212 - 202 - 194 - 153 - 137 - 132 - 135 - 152 - 184 - 222 - 260 - 289 - 301 - 315 - 322 - 329 - 329 - 329 - 158 - 189 - 247 - 304 - 401 - 4438 - 371 - 304 - 195	031 047 099 121 137 1188 210 230 255 281 296 304 308 315 321 325 329 332 -241 -293 -340 -448 -4404 -386 -4404 -386 -331	.096 .205 .225 .236 .240 .217 .216 .159 .168 .307 .390 .428 .431 .430 .428 .395 .388 .394 .388 .394 .394 .395 .395 .397 .398 .399 .399 .399 .399 .499 .499 .499 .499	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -2,500 -2,500 -1,750 -1,500 -1,250 -1,000 -1,250 -1,000 -1,250 -1,000 -1,250 -1	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311 .318 .225 .330 .331 151 135 162 .286 .311 .218 .225 .330 .331	.058 .136 .180 .202 .214 .213 .219 .213 .198 .165 .125 .125 .126 .317 .261 .312 .302 .336 .330 .336 .330 .346 .145 .145 .145 .1467 .007 .009 .015 .009	171 196 202 217 227 214 223 214 223 216 203 177 146 121 146 187 284 286 316 325 323 -117 -152 -176 -305 -348 -405 -334 -200 -123 -078 -029	. 194 . 199 . 215 . 208 . 208 . 208 . 197 . 184 . 149 . 126 . 128 . 142 . 178 . 239 . 286 . 302 . 321 . 336 . 329 142 157 178 279 362 413 408 383 321 244 163 089 024	201 205 212 202 194 153 137 132 135 152 220 200 209 301 315 312 220 329 329 329 329 -158 -189 -247 -304 -4401 -438 -371 -304 -195 -069	031 047 099 121 137 170 188 210 223 281 296 308 313 315 325 329 332 -241 -293 -360 -404 -404 -404 -386 -331 -331 -331 -331 -331 -331 -331 -331 -341	.096 .205 .225 .236 .240 .237 .216 .157 .129 .168 .307 .390 .428 .432 .431 .450 .428 .394 .394 .398 .398 .399 .399 .399 .399 .399 .399	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,000 -4,500 -4,500 -4,500 -4,500 -3,500 -3,500 -2,250 -2,000 -1,750 -1,500 -1	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311 .318 .225 .330 .331 151 35 .282 380 389 219 202 .389 219 202 .389 219 .389 219 .389 .389 219 219 .389 219	.058 .136 .180 .202 .214 .214 .214 .223 .219 .213 .198 .165 .125 .124 .176 .261 .312 .302 .336 .330 .336 .145 .140 .162 .295 .309 .418 .309 .418 .309 .418 .309 .418 .309 .418 .309 .309 .309 .309 .309 .309 .309 .309	171 196 202 217 227 214 223 216 203 177 146 121 146 187 263 284 286 316 325 323 -147 -152 -176 -305 -348 -405 -334 -200 -123 -078 -029 -010	. 194 . 199 . 215 . 208 . 208 . 208 . 208 . 197 . 184 . 149 . 126 . 128 . 142 . 178 . 239 . 266 . 302 . 302 . 302 . 302 . 321 . 336 . 329 . 142 . 157 . 178 . 279 . 362 . 413 . 408 . 383 . 321 . 244 . 163 . 089 . 024 . 055	201 205 212 202 2194 2153 2137 132 2135 155 2184 222 220 289 301 315 332 329 329 329 -158 -189 -247 -304 -401 -4438 -424 -388 -371 -304 -195 -069	031 047 099 121 137 1188 210 2230 2255 2281 296 304 308 315 325 329 332 -241 -293 -360 -404 -428 -404 -386 -331 -327 -331 -275	.096 .205 .225 .236 .240 .217 .216 .159 .168 .307 .390 .428 .431 .430 .428 .395 .388 .394 .388 .394 .394 .395 .395 .397 .398 .399 .399 .399 .399 .499 .499 .499 .499	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -2,500 -2,500 -1,750 -1,500 -1,250 -1,000 -1,250 -1,000 -1,250 -1,000 -1,250 -1	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311 .318 .325 .330 .331 151 135 162 .286 .311 .135 162 .286 .311 .318 .325 .330 .331	.058 .136 .180 .202 .214 .213 .219 .213 .198 .165 .125 .125 .126 .317 .261 .312 .302 .336 .330 .336 .330 .346 .145 .145 .140 .162 .295 .309 .418 .380 .294 .167 .007	171 196 202 217 227 214 223 216 203 177 146 121 146 187 263 284 286 326 326 325 323 -147 -152 -176 305 -388 -405 -343 -405 -348 -200 -123 -078 -029 -010	. 194 . 199 . 215 . 208 . 208 . 208 . 208 . 197 . 184 . 126 . 128 . 142 . 178 . 239 . 286 . 302 . 321 . 336 . 329 . 142 . 157 . 178 . 279 . 362 . 408 . 383 . 383 . 383 . 383 . 384 . 383 . 383 . 384 . 383 . 385 . 387 . 383 . 383 . 383 . 384 . 385 . 387 . 383 . 383 . 383 . 384 . 385 . 387	201 205 212 202 194 153 137 132 135 152 220 229 301 315 315 315 322 329 329 329 329 329 329 329 329 329	031 047 099 121 137 170 188 210 223 2281 2281 2281 308 313 315 325 329 332 -241 -293 -340 -404 -428 -404 -428 -404 -428 -404 -404 -404 -404 -386 -331 -331 -325 -331 -325 -329 -331 -325 -329 -332	.096 .205 .225 .236 .240 .217 .216 .159 .168 .307 .390 .428 .431 .430 .428 .395 .388 .394 .388 .394 .394 .395 .395 .397 .398 .399 .399 .399 .399 .499 .499 .499 .499	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,500 -2,500 -1,750 -1,500 -1,250 -1,000 -1,250 -1,000 -1,250 -1,000 -1,250 -1,000 -1,250 -1,000 -1,250 -1,000 -1,250 -1,000 -1,250 -1,1500 -	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311 .318 .225 .330 .331 151 35 .282 380 389 219 202 .389 219 202 .389 219 .389 219 .389 .389 219 219 .389 219	.058 .136 .180 .202 .214 .214 .214 .223 .219 .213 .198 .165 .125 .124 .176 .261 .312 .302 .336 .330 .336 .145 .140 .162 .295 .309 .418 .309 .418 .309 .418 .309 .418 .309 .418 .309 .309 .309 .309 .309 .309 .309 .309	171 196 202 217 227 214 223 216 203 177 146 121 146 187 263 284 286 316 325 323 -147 -152 -176 -305 -348 -405 -334 -200 -123 -078 -029 -010 -019 -013	. 194 . 199 . 215 . 208 . 208 . 208 . 208 . 197 . 184 . 149 . 126 . 128 . 142 . 178 . 239 . 266 . 302 . 302 . 302 . 302 . 321 . 336 . 329 . 142 . 157 . 178 . 279 . 362 . 413 . 408 . 383 . 321 . 244 . 163 . 089 . 024 . 055	201 205 212 202 202 194 153 137 132 135 152 184 222 260 289 301 315 315 322 329 329 329	031 047 099 121 137 1188 210 255 281 296 308 313 325 329 332 329 332 -241 -293 -360 -404 -448 -448 -448 -4404 -331 -275 -089 -0061	.096 .205 .225 .236 .240 .217 .216 .159 .168 .307 .390 .428 .431 .430 .428 .395 .388 .394 .388 .394 .394 .395 .395 .397 .398 .399 .399 .399 .399 .499 .499 .499 .499	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 -180 19 -372 20 -316 21 -316
-5,500 -5,000 -4,500 -4,500 -4,500 -3,500 -3,500 -2,550 -2,500 -1,750 -1,500 -1	-002 033 124 1185 207 218 216 217 219 1199 1169 1125 094 1162 245 286 311 318 325 330 331 -151 -135 -162 -282 -380 -389 -219 -202 -119 -202 -119 -202 -204 -205 -205 -206 -206 -207 -207 -208 -20	.058 .136 .180 .202 .214 .213 .219 .213 .198 .165 .125 .125 .126 .317 .261 .312 .302 .336 .330 .336 .330 .346 .145 .145 .140 .162 .295 .309 .418 .380 .294 .167 .007	171 196 202 217 227 214 223 216 203 177 146 121 146 187 263 284 286 326 326 325 323 -147 -152 -176 305 -388 -405 -343 -405 -348 -200 -123 -078 -029 -010	. 194 . 199 . 215 . 208 . 208 . 208 . 208 . 197 . 184 . 126 . 128 . 142 . 178 . 239 . 286 . 302 . 321 . 336 . 329 . 142 . 157 . 178 . 279 . 362 . 408 . 383 . 383 . 383 . 383 . 384 . 383 . 383 . 384 . 383 . 385 . 387 . 383 . 383 . 383 . 384 . 385 . 387 . 383 . 383 . 383 . 384 . 385 . 387	201 205 212 202 194 153 137 132 135 152 220 229 301 315 315 315 322 329 329 329 329 329 329 329 329 329	031 047 099 121 137 170 188 210 225 281 296 308 313 315 325 329 332 -241 -293 332 -241 -293 -340 -404 -446 -446 -446 -386 -331 -275 -089	.096 .205 .225 .236 .240 .217 .216 .159 .168 .307 .390 .428 .431 .430 .428 .395 .388 .394 .388 .394 .394 .395 .395 .397 .398 .399 .399 .399 .399 .499 .499 .499 .499	2 332 3 333 4 331 5 320 6 290 7 -168 8 -154 9 -162 10 -183 11 -242 12 424 13 419 14 419 15 440 17 366 18 180 19 -372 20 -316 21 -316
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,500 -2,500 -1,750 -1,500 -1,250 -1,000 -1,250 -1,000 -1,250 -1,000 -1,250 -1,000 -1,250 -1,000 -1,250 -1,000 -1,250 -1,000 -1,250 -1,1500 -	002 .033 .124 .185 .207 .218 .216 .212 .229 .199 .169 .125 .094 .162 .245 .286 .311 .318 .325 .330 .331 151 135 162 .286 .311 .135 162 .286 .311 .318 .325 .330 .331	.058 .136 .180 .202 .214 .214 .214 .233 .219 .219 .185 .125 .134 .176 .261 .312 .336 .330 .336 .145 .140 .162 .294 .167 .007 .007	171 196 202 217 227 214 223 216 203 177 146 121 146 187 263 284 286 316 325 323 -147 -152 -176 -305 -348 -405 -334 -200 -123 -078 -029 -010 -019 -013	. 194 . 199 . 215 . 208 . 208 . 208 . 208 . 197 . 184 . 149 . 126 . 128 . 142 . 178 . 239 . 286 . 302 . 302 . 331 . 336 . 329 . 142 . 157 . 178 . 279 . 383 . 321 . 383 . 321 . 383 . 321 . 383 . 321 . 383 . 321 . 383 . 321 . 383 . 321 . 383 . 3089 . 144 . 163 . 089 . 024 . 055 . 022 . 000	201 205 212 202 202 194 153 137 132 135 152 184 222 260 289 301 315 315 322 329 329 329	031 047 099 121 137 1188 210 255 281 296 308 313 325 329 332 329 332 -241 -293 -360 -404 -448 -448 -448 -4404 -331 -275 -089 -0061	.096 .205 .225 .236 .240 .217 .216 .159 .168 .307 .390 .428 .431 .430 .428 .395 .388 .394 .388 .394 .394 .395 .395 .397 .398 .399 .399 .399 .399 .499 .499 .499 .499	2

Table 14 Concluded
Plate and Spoiler Pressure Coefficients

Configuration 8 M= 1.61 R= 0.23 x 106

				Plate				Spo	iler
x,in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	GI SHIP
				Λ= -7	5 °				
-6.000	•011	•047	•057	•053	•062	•001		1	•079
-5.500	•017	•063	.058	.053	.063	.004		2	.080
-5.000	•046	•069	•052	•048	•067	•030		3	•081
-4.500	•066	•067	•061	•060	.069	•062	100	4	•075
-4.000	•069	•064	•059	• 053	•074	•078	.010	5	0.069
-3.500	•069	•062	1058	•053	•077	•078	•034	6	•047
-3.000	•066	•063	•059	•060	•078	•077	•087	7	157
-2.750	•061	•082	•063	•057	.078	•077	•103	8	•041
-2.500	•063	•062	•061	•061	•078	.077	•109	9	117
-2.250	•083	•064	•062	•060	•075	•078	•109	10	176
-2.000	•063	. 059	•066	•063	•072	•077	•105	11	172
-1.750	•069	•066	•061	•066	•065	•079	.103	12	•107
-1.500	•071	•059	•064	•065	.060	•077	.101	13	•105
-1 + 250	•048	•066	•062	.057	•067	•079	•096	14	•103
-1.000	•064	•058	•055	•057	•072	•079	•089	15	•102
750	•056	•061	•053	•065	•077	•079	.086	16	.089
625	•063	•073	•058	•066	•083	.081	•092	17	•063
500	•073	•068	•053	•063	•077	•086	•098	18	059
375	•073	•081	•090	•087	•093	.089	•104	19	120
250	•076	• 076	•078	•089	•090	•089	•109	20	061
125	•085		•084		.085		•113	21	140
•000	•088	•085	•089	•087	•093	•092	•113	22	309
• 250	•063	•019	005	010			131		
•375	•031	026	027	021	013		122		
•500	043	063	047	029	011		122		
•750	063	077	073	053	018	•005	115		
1.000	048	021	057	107	116	073	053	1	
1.250	004	067	149	200	232	200	075	- Farefull Trill	
1.500	021	074	139	147	207	241	057	ENTRY ET	
1.750	•019	108	094	095	156	237	029		
2.000	033	082	044	071	128	206	023		
2.250	057	052	050	042	120	210	028		
2.500	061	033	008	•000	028	334	023		
2.750	041	026	•005	•040	•054	.011	026		
3.000	038	017	•008	•028	017	020	042	1 1 1 1 1 1 1 1	
3.500	019	•000	003	031	046	042			
4.000	005	005	018	011	012	022			
4.500	•006	014	019	037	042	•038			
5.000	•011	014	074	108	162	268			
5.500	006	027	071	041	066	225			
6.000	006	063	023	•018	.026	079			

Table 15
Plate and Spoiler Pressure Coefficients

Configuration 8 M=1.61 R= 0.30 x 10⁶

				- D.E				- X	
v in	T Row O	I Paul	1 0 3	Plate				Spoi	ler
x, in.	1. NOW O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	00 °				
-6.000 -5.500	005	006	002	• 002	•270	•228	7 M - W 10 1 1 1 1	1 2	•542
-5.000	002	007	•056	•306	•308	•227			• 466
-4.500	•118	•156	•299	•355	• 335	•208		3 4	• 442
-4.000	•325	•331	•358	• 363	•350	•193	•333	5	· 536
-3.500	•367	• 369	•379	•375	•360	•213	• 375	6	•627
-3.000 -2.750	•379	•382	•390	•388	•362	•255	•391	7	.504
-2.500	•385 •386	•397 •390	•398	• 391	•358	•277	• 393	8	355
-2.250	•403	•401	• 402	•390 •384	•350 •343	•298	•397	9	357
-2.000	•395	•397	*397	•378	•333	•321	• 394	10	358
-1.750	•394	•399	•390	• 365	•331	•371	•397	11	356
-1.500	•388	•387	•371	•352	•335	.400	• 385	13	• 557 • 471
-1.250 -1.000	• 356	• 366	• 353	•338	•349	• 435	• 367	14	• 451
750	•352 •342	•347 •343	• 344	• 342	•374	• 484	•352	15	• 488
625	•352	• 355	•357 •370	•369 •390	•411	•534	•345	16	•571
500	•374	•374	•397	• 426	•442	•562 •591	• 352	17	•696
375	•409	•414	•438	• 469	•528	•617	• 406	18	• 756 -• 354
250	• 468	• 477	•505	•537	•589	•623	• 484	20	358
125	•579		•602		•618		•600	21	357
•000	•587	•589	•596	▶592	•591	•590	•603	22	356
• 250	~•359	362	345	349			361		
• 375	~•361	362	350	349	346		363		
•500 •750	~•365 ~•367	365	357	355	348		364		
1.000	362	-•366 -•334	357 355	354	-•350 -•355	353	367		
1.250	344	348	344	359 348	355	353	360		
1.500	~.322	318	331	342	353	353 356	341 315		
1.750	242	290	301	329	352	353	285		
2.000	~.259	259	260	312	350	353	254		
2.250	~.227	229	258	295	344	354	221		
2.500	-•200 -•173	200	224	278	331	353	196		
3.000	153	179 158	202 186	253	319	354	169		
3.500	118	129	145	-•227 -•184	306	358	148	450	
4.000	091	103	119	152	277	357 350			
4.500	079	087	103	125	220	~.344			
5.000	066	079	082	103	194	~.336			
5.500	059	066	064	080	157	~.313			
	• • • • • • • • • • • • • • • • • • • •								
6.000	048	054	-•051	-•062	111	258			
6.000	048			062		~•258			
-6.000	048	054	•003	Λ= 1 •005	-•111 5°	*224			• 444
-6.000 -5.500	048 007 003	-•054 -•005 -•005	•003	Λ= 1 •005 •005	-•111 5° •016 •251	*224 •249		1 2	• 388
-6.000 -5.500 -5.000	048 007 003 001	054 005 005 003	051 .003 .000 .033	Λ= 1 •005 •005 •223	-•111 5° •016 •251 •322	*224 •249 •249		3	• 388 • 372
-6.000 -5.500 -5.000 -4.500	007 003 001 .218	054 005 005 003 .207	-•051 •003 •000 •033 •290	Λ= 1 •005 •005 •223 •345	-•111 5° •016 •251 •322 •342	*224 •249 •249 •249	-220	3 4	• 388 • 372 • 386
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500	048 007 003 001	054 005 005 003 .207 .339	*003 *000 *033 *290 *360	-•062 Λ= 1 •005 •005 •223 •345 •363	-•111 5° •016 •251 •322 •342 •362	*224 •249 •249 •245 •175	•330	3 4 5	• 388 • 372 • 386 • 422
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.000	048 007 003 001 .218 .333	054 005 005 003 .207	-•051 •003 •000 •033 •290	Λ= 1 •005 •005 •223 •345	111 5° -016 -251 -322 -342 -362 -346	*224 •249 •249 •245 •175 •191	• 356	3 4 5 6	• 388 • 372 • 386 • 422 • 495
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750	048 007 003 001 .218 .333 .356 .364 .368	054 005 005 003 .207 .339 .368 .372 .390	051 .003 .000 .033 .290 .360 .376	-•062 A= 1 •005 •005 •223 •345 •363 •379	-•111 5° •016 •251 •322 •342 •362	*224 *249 *249 *249 *245 *175 *191 *235	• 356 • 369	3 4 5 6 7	388 372 386 422 495
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500	048 007 003 001 .218 .333 .356 .364 .368 .369	054 005 005 003 .207 .339 .368 .372 .390 .381	051 .003 .000 .033 .290 .360 .376 .383 .390 .387	-•062 Λ= 1 •005 •005 •223 •345 •363 •379 •378 •362 •348	111 5° .016 .251 .322 .342 .362 .346 .297 .283 .274	*224 •249 •249 •245 •175 •191	•356 •369 •372	3 4 5 6	.388 .372 .386 .422 .495 .293
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.2500	048007003001218333356364368369380	054 005 005 003 207 339 368 372 390 381 387	051 .003 .000 .033 .290 .360 .376 .383 .390 .387 .374	062 A= 1 005 005 023 345 363 379 378 362 348 328	111 5° 016 0251 0322 0342 0362 0362 0297 0283 0274	258 .224 .249 .249 .245 .175 .191 .235 .258 .280 .310	• 356 • 369	3 4 5 6 7 8	388 372 386 422 495
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000	048 007 003 001 218 333 356 364 368 369 380	005 005 005 003 .207 .339 .368 .372 .390 .381 .387 .374	051 .003 .000 .033 .290 .360 .376 .383 .390 .387 .374 .361	062 A= 1 .005 .005 .223 .345 .363 .379 .378 .362 .348 .328 .310	111 5°	*224 *249 *249 *249 *245 *175 *191 *235 *258 *280 *310 *337	.356 .369 .372 .377 .375	3 4 5 6 7 8 9	• 388 • 372 • 386 • 422 • 495 • 293 • 360 • 363 • 353
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.1750	048 007 003 001 .218 .333 .356 .364 .369 .389 .389 .389 .389	054 005 005 003 207 339 348 372 390 381 387 374 365	051 .003 .000 .033 .290 .360 .376 .383 .390 .387 .374 .361 .346	062 A= 1 .005 .005 .005 .223 .345 .363 .379 .378 .362 .348 .328 .310 .305	111 5° 	*224 *249 *249 *245 *175 *191 *235 *280 *310 *337 *369	.356 .369 .372 .377 .375 .381	3 4 5 6 7 8 9 10 11 12	. 388 . 372 . 386 . 422 . 495 . 293 - 360 - 360 - 363 . 517
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -2.250 -1.750 -1.500	048007003001218333356364368369380369368355368	005 005 005 003 .207 .339 .368 .372 .390 .381 .387 .374	051 .003 .000 .033 .290 .360 .376 .383 .390 .387 .374 .361 .346 .331	Λ= 1 .005 .005 .223 .345 .363 .379 .378 .362 .348 .328 .310 .305	111 5° 016 251 322 342 346 297 283 274 274 279 286 300	*224 *249 *249 *249 *245 *175 *171 *235 *258 *280 *310 *337 *369 *394	.356 .369 .372 .377 .375 .381 .381	3 4 5 6 7 8 9 10 11 12 13	. 388 . 372 . 386 . 422 . 495 . 293 - 360 - 363 - 363 . 517 . 453
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.250 -1.500	048007003001218333356364368369380369368355321334	054 005 005 003 207 339 381 372 390 381 374 365 351 337 325	051 .003 .000 .033 .290 .360 .376 .383 .390 .387 .374 .361 .346 .331 .320 .314	062 A= 1 .005 .005 .005 .223 .345 .363 .379 .378 .362 .348 .328 .310 .305	111 5° 	*224 *249 *249 *245 *175 *191 *235 *280 *310 *337 *369 *344	.356 .369 .372 .377 .375 .381 .381	3 4 5 6 7 8 9 10 11 12 13	.388 .372 .386 .422 .495 .293 -360 -360 -363 -353 .517 .453
-6.000 -5.500 -5.500 -4.500 -4.500 -4.000 -3.500 -2.750 -2.250 -2.250 -2.250 -1.750 -1.500 -1.500 -1.500 -1.500	048007003001018333356364368369	054 005 005 003 207 339 348 372 390 381 387 365 337 365 337 325 314	051 .003 .000 .033 .290 .360 .376 .383 .390 .374 .361 .346 .331 .320 .314 .323	-•062 \$\Lambda = 1\$ •005 •005 •223 •345 •363 •379 •378 •362 •348 •310 •305 •305 •305 •307 •310 •332	111 5° .016 .251 .322 .342 .362 .346 .297 .283 .274 .274 .279 .286 .306 .314 .335 .335	*224 *249 *249 *249 *245 *175 *191 *235 *258 *280 *310 *369 *319 *418 *443 *443	.356 .369 .372 .377 .375 .381 .381	3 4 5 6 7 8 9 10 11 12 13	.388 .372 .386 .422 .495 .293 -360 -360 -363 .517 .453 .457
-6.000 -5.500 -5.000 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.750 -1.500 -1.750 -1.500	048007003001218333356364368369380369368355321334324325	054 005 005 003 207 339 348 372 390 381 374 365 351 337 325 314 325 314 322	051 .003 .000 .033 .290 .360 .376 .383 .390 .387 .374 .361 .346 .331 .323 .323	062 A= 1 .005 .005 .223 .345 .363 .379 .378 .362 .348 .328 .310 .305 .297 .310 .332 .348	111 5° -016 -251 -322 -342 -362 -346 -297 -283 -274 -279 -286 -300 -314 -388	*224 *224 *249 *249 *245 *175 *191 *258 *258 *258 *310 *337 *369 *394 *443 *443 *442 *488	.356 .369 .372 .377 .375 .381 .381 .377 .363 .345	3 4 5 6 7 8 9 10 11 12 13 14 15	.388 .372 .386 .422 .495 .293 -360 -360 -363 -353 .517 .453
-6.000 -5.500 -5.000 -4.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.250 -2.250 -1.750 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	048007003001218333356364368369380369379	054 005005003207339358372390381387374365337337325314322328	051003003000033290360376383390374361346331320314323332332	-•062 \$\Lambda = 1\$ •005 •005 •223 •345 •363 •379 •378 •362 •348 •328 •310 •305 •297 •312 •348 •369	111 5° .016 .251 .322 .342 .346 .297 .283 .274 .274 .279 .286 .300 .314 .335 .3367 .388 .417	258 .224 .249 .249 .249 .245 .175 .191 .235 .258 .280 .310 .337 .369 .3194 .418 .4472 .4488 .506	.356 .369 .372 .377 .381 .381 .381 .377 .369 .345 .345	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	. 388 . 372 . 386 . 422 . 495 . 360 . 363 . 363 . 363 . 453 . 453 . 453 . 467 . 531 . 621
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.750 -1	048007003001218333356364369	054 005 005 003 207 339 368 372 390 381 374 365 351 337 325 314 325 325 325 337 325 337 	051 .003 .000 .033 .290 .360 .376 .387 .374 .361 .346 .331 .320 .314 .323 .349 .375	062 A= 1 .005 .005 .223 .345 .363 .379 .378 .362 .348 .328 .310 .305 .305 .297 .310 .332 .348 .369 .406	111 5° *016 *251 *342 *342 *346 *297 *283 *274 *279 *286 *300 *314 *335 *367 *388 *417 *453	*224 *249 *249 *249 *245 *175 *191 *235 *258 *310 *337 *369 *394 *443 *443 *443 *443 *523	.356 .369 .372 .377 .375 .381 .381 .377 .363 .345 .348 .348	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 388 . 372 . 386 . 422 . 495 . 293 . 360 . 363 . 363 . 517 . 453 . 4437 . 467 . 531 . 6621 . 336
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -2.250 -1.750 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	048007003001218333356364368369380369379	054 005005003207339358372390381387374365337337325314322328	051 .003 .003 .003 .003 .033 .290 .360 .376 .383 .390 .387 .374 .361 .321 .321 .322 .331 .322 .3349 .375 .425	-•062 \$\Lambda = 1\$ •005 •005 •223 •345 •363 •379 •378 •362 •348 •328 •310 •305 •297 •312 •348 •369	111 5° 	258 .224 .249 .249 .249 .245 .175 .191 .235 .258 .280 .310 .337 .369 .3194 .418 .4472 .4488 .506	.356 .369 .372 .377 .375 .381 .381 .377 .345 .345 .345 .348 .346 .348	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	. 388 . 372 . 386 . 422 . 495 . 360 . 363 . 363 . 363 . 453 . 453 . 467 . 531 . 621 . 621 . 338
-6.000 -5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.250 -2.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	048007003001018333356364368369380369369369321334324325332	054 005 005 003 207 339 368 372 390 381 374 365 351 337 325 314 325 325 325 337 325 337 	051 .003 .000 .033 .290 .360 .376 .387 .374 .361 .346 .331 .320 .314 .323 .349 .375	062 A= 1 .005 .005 .223 .345 .363 .379 .378 .362 .348 .328 .310 .305 .305 .297 .310 .332 .348 .369 .406	111 5° *016 *251 *342 *342 *346 *297 *283 *274 *279 *286 *300 *314 *335 *367 *388 *417 *453	*224 *249 *249 *249 *245 *175 *191 *235 *258 *310 *337 *369 *394 *443 *443 *443 *443 *523	.356 .369 .372 .377 .375 .381 .381 .377 .363 .345 .348 .348	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 388 . 372 . 386 . 422 . 293 . 360 . 363 . 363 . 363 . 453 . 453 . 467 . 621 . 336
-6.000 -5.000 -5.000 -4.500 -4.500 -4.500 -3.500 -2.750 -2.250 -2.250 -2.250 -1.750 -1.500 -1.250 -1.500 -1.250	048007003001218333356364368369380369368355321334324325335395395485504	054 005005003207339368372390381387374365337325314322328357404504	051003	062 \$\Lambda = 1\$.005 .005 .223 .345 .363 .379 .378 .362 .328 .310 .305 .305 .297 .310 .332 .348 .369 .406 .456	111 5° *016 *251 *322 *342 *346 *274 *279 *286 *300 *314 *335 *367 *388 *417 *453 *498 *519	258 224249249249245175191258258280337369349418443448503523521	. 356 . 369 . 372 . 377 . 381 . 381 . 377 . 369 . 345 . 348 . 348 . 348 . 348 . 348 . 348 . 348 . 348 . 348 . 348	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 388 . 372 . 386 . 422 . 495 . 293 . 360 . 360 . 363 . 517 . 453 . 453 . 453 . 621 . 336 . 338 . 337
-6.000 -5.000 -5.000 -4.500 -4.500 -4.500 -3.500 -2.750 -2.250 -2.250 -2.250 -1.500	048007003001218333356364368369380369368355321334324325332355355355355355	054 005005003207339368372390381387374365337325314322328328327404	051 .003 .000 .033 .290 .360 .376 .383 .390 .387 .374 .361 .346 .331 .320 .314 .323 .349 .375 .425 .500 .514	062 \$\Lambda = 1\$.005 .005 .023 .345 .363 .378 .362 .348 .328 .310 .305 .297 .310 .332 .348 .369 .4056 .510 -3342	-:111 5° .016 .251 .322 .342 .3462 .346 .297 .283 .274 .274 .279 .283 .274 .279 .283 .417 .3368 .417 .453 .498 .519 .512	258 224249249249245175191258258280337369349418443448503523521	.356 .369 .372 .377 .381 .381 .377 .363 .345 .348 .348 .348 .365 .400 .461 .544	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 388 . 372 . 386 . 429 . 293 . 360 . 360 . 363 . 517 . 453 . 453 . 453 . 621 . 3368 . 338 . 337
-6.000 -5.500 -5.000 -4.500 -4.500 -4.500 -3.500 -2.750 -2.750 -2.500 -2.500 -1.500	048007003001218333356364369380369369369312334324322335346358369358369369369369369369369369369371	054 005005003003207339388372390381387351337325314325328337325340354354361	051003	062 \$\Lambda = 1\$.005 .005 .223 .345 .363 .379 .378 .362 .328 .310 .305 .305 .297 .310 .332 .348 .369 .406 .456	111 5° *016 *251 *322 *342 *346 *274 *279 *286 *300 *314 *335 *367 *388 *417 *453 *498 *519	258 224249249249245175191258258280337369349418443448503523521	. 356 . 369 . 372 . 377 . 381 . 381 . 377 . 369 . 345 . 348 . 365 . 400 . 461 . 544 . 544	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 388 . 372 . 386 . 429 . 293 . 360 . 360 . 363 . 517 . 453 . 453 . 453 . 621 . 3368 . 338 . 337
-6.000 -5.500 -5.000 -4.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.250 -2.000 -1.500	048007003001018333356364368369369369369369369369369369369369371368	054 005005003207339348372390381387365337325314326357404364364364365	051003	062 \[\Lambda = 1 \] .005 .005 .223 .345 .363 .379 .378 .362 .348 .328 .310 .305 .305 .297 .310 .332 .348 .369 .406 .456 .510 342349354	111 5° .016 .251 .322 .342 .362 .346 .297 .283 .274 .279 .286 .300 .3014 .335 .346 .346 .3914 .3519 .512	258 224249249249245175191258258280337369349418443448503523521	.356 .369 .372 .377 .381 .381 .377 .363 .345 .348 .348 .348 .365 .400 .461 .544	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 388 . 372 . 386 . 429 . 293 . 360 . 360 . 363 . 517 . 453 . 453 . 453 . 621 . 3368 . 337
-6.000 -5.500 -5.000 -4.500 -4.500 -4.500 -3.500 -2.500 -2.500 -2.500 -2.500 -1.500	048007003001218333356364368369368355321334324325335355	054 005005003207339368372390381387374365337325314322328327404364364365333	051 .003 .000 .033 .290 .360 .376 .383 .390 .374 .361 .346 .331 .320 .314 .322 .3349 .375 .425 .500 .514 345357	062 A= 1 .005 .005 .223 .345 .363 .379 .378 .362 .348 .328 .310 .305 .305 .297 .310 .335 .348 .369 .406 .456 .510 342349354352	111 5° *016 *251 *342 *342 *346 *274 *279 *286 *300 *314 *335 *367 *388 *417 *453 *498 *512	258 2242492492451751912352582803103369310369418448502510 344342	. 356 . 369 . 372 . 377 . 381 . 381 . 377 . 388 . 377 . 345 . 348 . 345 . 348 . 345 . 440 . 544 . 544	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 388 . 372 . 386 . 429 . 293 . 360 . 360 . 363 . 517 . 453 . 453 . 453 . 621 . 3368 . 337
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -2.500 -2.500 -2.250 -2.250 -1.750 -1.250 -1.500 -1.500 -1.500 -1.500 -1.500 -2.500	048007003001018333356364368369380369380369321334324325331368355371368355335	054 005005003207339368372390381387365337325314326357404364365333340	051003	062 \$\Lambda = 1\$.005 .005 .223 .345 .363 .379 .378 .362 .248 .328 .310 .305 .297 .310 .332 .348 .369 .406 .456 .510 3423493352345	111 5° .016 .251 .322 .346 .297 .283 .274 .279 .286 .300 .314 .335 .315 .3467 .388 .417 .498 .519 .512	258 .224 .249 .249 .249 .245 .175 .191 .235 .258 .280 .310 .337 .369 .3418 .4418 .472 .488 .506 .523 .521 .510	. 356 . 369 . 372 . 377 . 381 . 381 . 375 . 383 . 348 . 348 . 348 . 348 . 346 . 400 . 4461 . 544 . 544 . 544 . 544 . 544 . 544 . 544 . 545 . 351 . 351 . 351 . 351	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 388 . 372 . 386 . 429 . 293 . 360 . 360 . 363 . 517 . 453 . 453 . 453 . 621 . 3368 . 337
-6.000 -5.000 -5.000 -4.000 -4.000 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.250 -2.500 -3.500	048007003001218333356364368369368355321334324325335355358358358358358355306	054 0050050032073393683723903813873653373253143223283283373404361364364361365333340309	051 .003 .003 .000 .033 .290 .360 .376 .383 .390 .374 .361 .346 .331 .320 .314 .322 .349 .375 .425 .500 .514 -3358 -3357 -3358 -3357 -3357 -3357 -3357 -3357	062 A= 1 .005 .005 .223 .345 .363 .379 .378 .362 .328 .310 .305 .305 .305 .305 .305 .305 .306 .406 .456 .510 34934935234935234935234935233543523354336	111 5° *016 *251 *322 *342 *362 *346 *274 *279 *286 *300 *314 *335 *367 *388 *417 *453 *497 *512	258 224249249249245175191235258280336933693103369418443488506523521510	. 356 . 369 . 372 . 377 . 381 . 381 . 377 . 369 . 345 . 346 . 346	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 388 . 372 . 386 . 429 . 293 . 360 . 360 . 363 . 517 . 453 . 453 . 453 . 621 . 3368 . 337
-6.000 -5.500 -5.000 -4.500 -4.500 -4.500 -3.500 -2.500 -2.500 -2.500 -1.750 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -1.250	048007003001218333356364369380369	054 0050050032073393683723903813653373253143283574043613613613613633403309284	051003	062 A= 1 .005 .005 .223 .345 .363 .379 .378 .362 .348 .328 .310 .305 .297 .310 .305 .297 .310 .348 .369 .406 .456 .510 3423493543543363363363322	111 5° .016 .251 .322 .346 .297 .283 .274 .277 .286 .301 .335 .314 .335 .346 .349 .519 .512 3413441344334443442	258 .224 .249 .249 .249 .245 .175 .191 .235 .258 .280 .310 .337 .369 .394 .418 .4472 .448 .506 .523 .521 .510	. 356 . 369 . 372 . 377 . 375 . 381 . 377 . 363 . 345 . 348 . 348 . 348 . 348 . 346 . 400 . 461 . 544 . 735 . 735	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 388 . 372 . 386 . 422 . 495 . 293 . 360 . 360 . 363 . 517 . 453 . 453 . 453 . 621 . 336 . 338 . 337
-6.000 -5.000 -5.000 -4.000 -4.000 -3.500 -3.500 -2.500 -2.500 -2.500 -2.500 -1.500	048007003001218333356364368369368355321334324325355395362371368355362371368355306221	054 0050050032073393683723903813873653373253314326335340364361361333340309284258	051 .003 .003 .003 .033 .290 .360 .376 .383 .390 .374 .361 .320 .314 .322 .349 .375 .425 .500 .514 352357345357343322301260	062 A= 1 .005 .005 .223 .345 .363 .379 .378 .362 .328 .310 .305 .305 .305 .297 .310 .332 .348 .369 .406 .456 .510 -3349 -3349 -3352 -3349 -3352 -3354 -3322 -3357 -3322 -3357	111 5° *016 *251 *322 *342 *362 *346 *297 *283 *274 *279 *286 *300 *314 *335 *367 *388 *417 *453 *451 *512 -341 -344 -344 -3443 -3446 -3445 -3440 -3440	258 224249249249245175191235258280337369310334418523521510	.356 .369 .372 .377 .381 .381 .377 .363 .345 .348 .348 .348 .348 .348 .348 .544 .544 .544 .544 .544 .544 .544	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 388 . 372 . 386 . 422 . 495 . 293 . 360 . 360 . 363 . 517 . 453 . 453 . 453 . 621 . 336 . 338 . 337
-6.000 -5.500 -5.000 -4.500 -4.500 -4.500 -2.4550 -2.500 -2.250 -2.500 -1.500 -1.750 -1.500 -1.250 -1.1000 -7.750 -2.500 -1.750 -2.500 -1.750 -1.250	048007003001218333356364369380369	054 00500500320733936837239038132732535132732835740436633643663363340369284258223	051 .003 .003 .003 .003 .290 .360 .376 .383 .390 .387 .374 .361 .320 .314 .323 .332 .323 .332 .349 .375 .425 .500 .514 -345 -3358 -3357 -3457 -3437 -3260 -2661	062 A= 1 .005 .005 .223 .345 .363 .378 .362 .348 .328 .310 .305 .297 .310 .332 .348 .369 .406 .456 .510 -3342 -3349 -3354 -3354 -3352 -3355 -3352 -3357 -296	111 5° .016 .251 .322 .3462 .346 .297 .283 .274 .279 .286 .300 .314 .3357 .388 .417 .453 .498 .519 .512 -341 -344 -344 -344 -344 -344 -344 -34	258 .224 .249 .249 .249 .245 .175 .191 .235 .258 .280 .310 .337 .369 .3418 .442 .448 .506 .523 .510 .344 .344 .344 .344 .344 .344 .344 .3	. 356 . 369 . 372 . 377 . 375 . 381 . 377 . 363 . 343 . 343 . 348 . 348 . 348 . 348 . 348 . 348 . 345 . 345	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 388 . 372 . 386 . 429 . 293 . 360 . 360 . 363 . 517 . 453 . 453 . 453 . 621 . 3368 . 337
-6.000 -5.500 -5.000 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.250 -2.500 -2.250 -1.500	0480070030012183333563643683693683553213343243253553683553683553683553683553683553683553683553683553683553168	054 0050050032073393683723903813873653373253314365337309284364364364365333340309284228228228228228228228228228228	051003	062 \[\Lambda = 1 \] .005 .005 .223 .345 .363 .379 .378 .362 .328 .310 .305 .305 .305 .297 .310 .348 .369 .406 .456 .510 .349 .349 .349 .349 .349 .349 .349 .349	111 5° .016 .251 .322 .342 .362 .346 .297 .283 .274 .279 .286 .300 .314 .335 .388 .417 .453 .498 .519 .512 -341 -344 -345 -344 -345 -344 -345 -344 -345 -3340 -3333 -327	258 2242492492492492452582803103369310344342341344342343343343337336	. 356 . 369 . 372 . 377 . 381 . 381 . 377 . 389 . 349 . 349 . 348 . 365 . 400 . 461 . 544 . 544	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 388 . 372 . 386 . 429 . 293 . 360 . 360 . 363 . 517 . 453 . 453 . 453 . 621 . 3368 . 337
-6.000 -5.000 -5.000 -5.000 -4.000 -4.000 -3.000 -3.000 -2.500 -2.500 -2.000 -1.500	04800700300121833335636436836936835532133432432535536237136835536835536835536835536835536835536835536835536835536835536835536835536835536835536835536835536831683168316831683168	054 0050050032073393683723903813223233573253143283574043663361365331432835740436136533333403613623643613653340369284258223	051 .003 .003 .003 .003 .003 .003 .003 .0	062 A= 1 .005 .005 .223 .345 .363 .378 .362 .348 .328 .310 .305 .297 .310 .332 .348 .369 .406 .456 .510 -3342 -3349 -3354 -3354 -3352 -3355 -3352 -3357 -296	111 5°	258 .224 .249 .249 .249 .245 .175 .191 .235 .258 .280 .310 .336 .337 .369 .4418 .472 .488 .506 .521 .510 .344 .341 .344 .344 .341 .344 .341 .3347 .3341 .3337 .336	. 356 . 369 . 372 . 377 . 381 . 381 . 377 . 369 . 345 . 348 . 345 . 400 . 461 . 544 . 546 . 646 . 646	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 388 . 372 . 386 . 422 . 495 . 293 . 360 . 360 . 363 . 517 . 453 . 453 . 453 . 621 . 336 . 338 . 337
-6.000 -5.000 -5.000 -4.000 -4.000 -3.500 -4.000 -3.500 -2.500 -2.500 -2.500 -1.500	048007003001218333356364368369369369369369369321332335336321338369369369371368362371368	054 0050050050032073393883723903813873653373253253283743643643643653333403092842581721172117	051 .003 .003 .003 .290 .360 .374 .381 .320 .314 .323 .332 .349 .375 .425 .501 .345 .357 .357 .343 .358 .357 .343 .322 .349 .3757 .343 .322 .349 .311 .260 .201 .208 .314	-•062 A= 1 •005 •005 •223 •345 •363 •379 •378 •362 •348 •310 •305 •297 •310 •332 •348 •369 •406 •456 •510 -342 -349 -349 -3449 -352 -345 -3362 -327 -3296 -2299	111 5° .016 .251 .322 .342 .362 .346 .297 .283 .274 .279 .286 .300 .314 .335 .388 .417 .453 .498 .519 .512 -341 -344 -345 -344 -345 -344 -345 -344 -345 -3340 -3333 -327	258 2242492492492492452582803103369310344342341344344344343343337336	. 356 . 369 . 372 . 377 . 381 . 381 . 377 . 389 . 349 . 349 . 348 . 365 . 400 . 461 . 544 . 544	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 388 . 372 . 386 . 422 . 495 . 293 . 360 . 360 . 363 . 517 . 453 . 453 . 453 . 621 . 336 . 338 . 337
-6.000 -5.500 -5.000 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -1.500 -1.250	048007003001018333356364368369369369369369321334324325335368369368371368355368371368355368371368	054 00500500320733934837239038132232333732531432633643364336433653333340340364365333334031092284258223217117112086	051 .003 .003 .003 .290 .360 .376 .383 .390 .387 .374 .346 .331 .320 .314 .323 .332 .349 .375 .425 .500 .514 -3352 -3357 -3357 -343 -322 -260 -227 -208 -1186 -1145 -121	062 A= 1 .005 .005 .223 .345 .363 .379 .378 .362 .348 .310 .305 .305 .305 .307 .310 .332 .348 .369 .406 .456 .510 342 .3349 .3352 .3349 .3352 .3349 .3352 .3352 .3352 .3352 .327 .2279 .2259 .2279	111 5° .016 .251 .342 .346 .297 .283 .274 .274 .286 .3014 .335 .346 .314 .335 .318 .417 .498 .519 .512 -3441 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442	258 22424924924924924523525828033693413433443443443443433433383383336	. 356 . 369 . 372 . 377 . 381 . 381 . 377 . 369 . 345 . 348 . 345 . 400 . 461 . 544 . 546 . 646 . 646	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 388 . 372 . 386 . 422 . 495 . 293 . 360 . 360 . 363 . 517 . 453 . 453 . 453 . 621 . 336 . 338 . 337
-6.000 -5.000 -5.000 -5.000 -4.000 -3.500 -4.000 -3.500 -2.500 -2.500 -2.500 -1.500	048007003001218333356364369380369369369369321334324324325335335369369369369369371368369369371368	054 005005003003207339388372390381387365351337325328328357364364364365333340309284223172112086066	051 .003 .003 .000 .033 .290 .360 .374 .381 .320 .314 .323 .332 .331 .322 .349 .375 .351 .351 .352 .351 .352 .351 .352 .352 .351 .352 .357 .3358 .357 .343 .322 .349 .311 .2261 .2261 .2261 .2261 .227 .2208 .145 .121 .100	062 A= 1 .005 .023 .345 .362 .348 .328 .310 .305 .297 .310 .332 .348 .369 .406 .510 -3342 -3349 -3354 -322 -3349 -3354 -322 -327 -312 -327 -3172 -1172 -1145	111 5°	258 .224 .224 .224 .2249 .2245 .175 .175 .235 .258 .280 .310 .337 .369 .418 .448 .506 .523 .510 .510 .344 .343 .321 .344 .343 .341 .343 .341 .343 .341 .343 .341 .343 .341 .343 .341 .343	. 356 . 369 . 372 . 377 . 381 . 381 . 377 . 369 . 345 . 348 . 345 . 400 . 461 . 544 . 546 . 646 . 646	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 388 . 372 . 386 . 429 . 293 . 360 . 360 . 363 . 517 . 453 . 453 . 453 . 621 . 3368 . 337
-6.000 -5.500 -5.000 -4.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.250 -1.750 -1.250 -1.500 -1.500 -1.250	048007003001018333356364368369369369369369321334324325335368369368371368355368371368355368371368	054 00500500320733934837239038132232333732531432633643364336433653333340340364365333334031092284258223217117112086	051 .003 .003 .003 .290 .360 .376 .383 .390 .387 .374 .346 .331 .320 .314 .323 .332 .349 .375 .425 .500 .514 -3352 -3357 -3357 -343 -322 -260 -227 -208 -1186 -1145 -121	062 A= 1 .005 .005 .223 .345 .363 .379 .378 .362 .348 .310 .305 .305 .305 .307 .310 .332 .348 .369 .406 .456 .510 342 .3349 .3352 .3349 .3352 .3349 .3352 .3352 .3352 .3352 .327 .2279 .2259 .2279	111 5° .016 .251 .342 .346 .297 .283 .274 .274 .286 .3014 .335 .346 .314 .335 .318 .417 .498 .519 .512 -3441 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442 -3442	258 .224 .249 .249 .249 .245 .175 .191 .235 .258 .280 .310 .337 .369 .3418 .443 .472 .488 .506 .523 .521 .510	. 356 . 369 . 372 . 377 . 381 . 381 . 377 . 369 . 345 . 348 . 345 . 400 . 461 . 544 . 546 . 646 . 646	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 388 . 372 . 386 . 425 . 293 . 360 . 360 . 363 . 517 . 453 . 457 . 453 . 621 . 3368 . 338 . 333 . 333 . 333 . 333

Table 15 Continued

Plate and Spoiler Pressure Coefficients

Configuration 8 M=1.61 $R=0.30 \times 10^6$

x,in.	Row O	T Row I	Row 3	Plate Row 4	Row 6	Row 7	Row 9	Spoiler Orifice No.
			1		1	1.000	11011 3	Office IVO.
			January Barrier	Λ=	30			
-6.000 -5.500	006	•000	001	•001	•007	•004		1 •562
-5.000	.010	-•006 -•002	003	001	•009	•078		2 • 481
-4.500	•250	•132	•118	•234	•113	• 266 • 294		3 • 404
-4.000	•332	•320	•328	•342	•359	• 260	• 325	5 .487
-3.500	•349	• 356	•368	.365	•364	•177	•323	6 .655
-3.000	•351	• 363	•375	. 365	•268	•208	•320	7 .359
-2.750	• 356	• 374	• 376	•344	•231	•217	•324	8390
-2.500 -2.250	• 346	•358	• 355	• 297	•216	• 241	•319	9405
-2.000	•337	•339	•319	• 251	•204	•297	•314	10415
-1.750	• 259	• 254	•275	.218	• 205	• 376 • 475	•303	11401
-1.500	•219	•217	• 205	.189	•208	•553	• 289 • 269	12 • 357 13 • 295
-1.250	.200	•192	•197	•194	• 264	•611	• 249	14 .280
-1.000	•184	•185	•199	•222	•339	•655	• 226	15 • 297
750	•193	•204	•232	.285	• 444	•689	.212	16 • 339
-•625 -•500	• 220 • 253	• 241	•271	• 347	•505	•694	•217	17 • 388
375	•370	• 298 • 389	•339	• 428	•566	•698	• 225	18 • 381
250	• 486	•505	•546	•520 •598	•623	•688	• 249	19312
125	.618	• 505	•640	. 570	•659 •633	•655	• 304 • 397	20309
•000	•603	•604	•608	•603	•609	•607	•389	22 298
• 250	390	- 201	- 240	24.0				
• 375	401	-•381 -•393	-•369 -•378	360 363	348		310 316	A SECTION OF THE PROPERTY OF
•500	422	412	394	366	347		-,314	
.750	406	401	401	379	348	324	-,313	1
1.000	361	342	389	384	351	313	-,313	
1.500	325	327	353	357	346	306	304	
1.500	291 200	-•281	312	338	342	306	287	The state of the s
2.000	206	238 201	-•270 -•220	319 293	335 325	304	264	
2.250	174	171	201	270	312	304	234 210	
2.500	152	148	181	247	303	302	186	THE RESERVE TO SERVE THE RESERVE THE RE
2.750	133	126	156	230	292	305	162	The second of the second
3.000	111	113	137	200	279	311	138	- With the second
3 • 500	052	092	104	165	253	301		
4.000	•038	071	085	136	227	298		
4.500	•070	043	072	109	202	295		
5.000	•051	012	059	093	181	286		
		.020						
5.500	•034	•029 •057	050	079	168	-•274 -•261		
				062	-•154	274	1000	
6.000	•029	•057	*•04 2	Λ= 4	-•154 5°	-•261		
-6.000	•029	•057 ~• 010	042	Λ= 4	-•154 5°	•007		1 •626
-6.000 -5.500	-003 -007	-•010 -•008	042 002 003	Λ= 4 •006 •005	-•154 5°	-•261 •007 •010		2 •619
-6.000 -5.500 -5.000	003 007 001	010 008 010	042 002 003 003	Λ= 4 •006 •005 •004	154 5°	-•261 •007 •010 •005		2 •619 3 •608
-6.000 -5.500	-003 -007	-•010 -•008	042 002 003 003	Λ= 4 .006 .005 .004 .011	154 5° .009 .009 .009	-•261 •007 •010 •005 •247	4299	2 •619 3 •608 4 •626
-6.000 -5.500 -5.000 -4.500 -4.500 -3.500	-003 -007 -001	010 008 010 006	042 002 003 003	Λ= 4 •006 •005 •004	154 5° .009 .009 .009 .021 .305	-•261 •007 •010 •005 •247 •351	\$299 \$298	2 •619 3 •608 4 •626 5 •682
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500	003 007 001 .059 .264 .310	010 008 010 006 166 299 322	042 003 003 003 .000 .105 .308	Λ= 4 .006 .005 .004 .011 .183	154 5° .009 .009 .009	-•261 •007 •010 •005 •247	•299 •298 •297	2
-6.000 -5.500 -5.000 -4.500 -4.500 -3.500 -3.000 -2.750	003 007 007 001 .059 .264 .310 .318	010 008 010 006 .166 .299 .322 .339	002 003 003 003 .000 .105 .308 .337 .346	062 \[\Lambda = 4 \] 006 005 0004 0011 0183 0333 0358 0350	154 5° .009 .009 .009 .021 .305 .366 .334 .255	-0261 .007 .010 .005 .247 .351 .230 .199 .214	•298 •297 •296	2
-6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500	003 007 001 .059 .264 .310 .318 .318	-010 -008 -010 -006 -166 -299 -322 -339 -340	002 003	062 A= 4 .006 .005 .004 .011 .183 .333 .358 .350 .326	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206	-0261 0007 0010 0005 0247 0351 0230 0199 0214 0252	.298 .297 .296 .290	2
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -2.750 -2.500 -2.250	003 007 007 001 .059 .264 .318 .318 .326	-010 -008 -010 -006 -166 -299 -322 -339 -340 -330	042 002 003	062 A= 4 .006 .005 .004 .011 .183 .333 .358 .350 .326 .266	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .193	-0261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *342	.298 .297 .296 .290	2
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.250 -2.000	-003 -007 -007 -001 -059 -264 -310 -318 -318 -326 -322 -284	010 008 010 006 016 299 322 339 340 330 294	042 002 003 003 000 105 308 337 346 321 273	Λ= 4 .006 .005 .004 .011 .183 .333 .358 .350 .326 .266 .210	154 5° .009 .009 .0021 .305 .334 .255 .206 .193 .192	*007 *010 *005 *247 *351 *230 *199 *214 *252 *342 *462	. 298 . 297 . 296 . 290 . 271 . 246	2
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -2.750 -2.500 -2.250	-003 -007 -007 -001 -059 -264 -318 -318 -326 -322 -284 -236	-010 -008 -000 -006 -166 -299 -322 -339 -340 -330 -294	002 003 003 003 000 105 337 346 321 217	1 0062 1 006 1 005 1 004 1 183 1 333 1 358 1 350 1 266 1 192	154 .009 .009 .009 .009 .0021 .305 .336 .334 .255 .206 .193 .192 .207	-,261 .007 .010 .005 .247 .351 .230 .199 .214 .252 .342 .462 .587	. 298 . 297 . 296 . 290 . 271 . 246 . 216	2
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.250 -2.250 -1.500 -1.500	-003 -007 -007 -001 -059 -264 -310 -318 -318 -326 -322 -284	010 008 010 006 016 299 322 339 340 330 294	042 002 003 003 000 105 308 337 346 321 273	Λ= 4 .006 .005 .004 .011 .183 .333 .358 .350 .326 .266 .210	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .1193 .1192 .207 .250	-,261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *342 *462 *587 *665	. 298 . 297 . 296 . 290 . 271 . 246 . 216 . 182	2
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -2.500 -1.250 -1.250 -1.250	.029003007001 .059 .264 .310 .318 .326 .322 .284 .236 .196 .143 .165	-010 -008 -010 -006 -166 -299 -339 -340 -330 -294 -240 -193 -171 -189	002 003 003 003 000 105 308 337 346 346 346 321 273 217 183 178 215	062 A= 4 .006 .005 .004 .011 .183 .338 .350 .326 .266 .210 .192 .183 .206 .281	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .193 .192 .207 .250 .351 .481	-,261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *342 *462 *587 *665 *706 *723	.298 .297 .296 .290 .271 .246 .216 .182 .151	2
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.500 -1.500 -1.500	.029003007007001 .059 .264 .310 .318 .318 .326 .322 .284 .236 .1143 .165 .225	-010 -008 -010 -008 -010 -006 166 -299 -322 -339 -340 -330 -240 -171 -189 -264	042 003 003 003 .000 .105 .308 .337 .346 .321 .217 .183 .217 .183 .217 .217 .2183	062 A= 4 .006 .005 .004 .011 .183 .333 .358 .350 .326 .266 .210 .192 .183 .206 .281 .417	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .193 .192 .207 .250 .351 .481 .601	-,261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *342 *462 *587 *665 *706 *712	.298 .297 .296 .290 .271 .246 .216 .182 .151 .139	2
6.000 -6.000 -5.900 -5.900 -4.500 -4.500 -4.500 -2.500 -2.500 -2.250 -2.000 -1.500 -1.500 -1.500 -7.50 -1.500 -7.50	.029003007001 .059 .264 .310 .318 .326 .322 .284 .236 .196 .143 .165 .225 .306	-010 -008 -010 -006 -166 -299 -322 -339 -340 -294 -240 -193 -171 -189 -264 -355	002 003 003 000	062 A= 4 .006 .005 .004 .011 .183 .358 .350 .266 .210 .192 .183 .201 .192 .183 .201 .417 .504	154 5° .009 .009 .009 .021 .305 .366 .255 .206 .193 .192 .207 .250 .351 .481 .601 .633	-,261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *462 *587 *665 *706 *723 *712 *700	.298 .297 .296 .290 .271 .246 .216 .182 .151 .139 .143	2
6.000 -6.000 -5.000 -5.000 -5.000 -4.500 -4.500 -4.500 -2.500 -2.250 -2.250 -2.250 -1.250 -1.250 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500	-003 -007 -007 -007 -007 -264 -310 -318 -318 -322 -224 -236 -143 -143 -143 -143 -143 -143 -143 -143	-010 -008 -010 -008 -010 -006 -166 -299 -322 -339 -340 -330 -240 -193 -1	002 003 003 003 .000 .105 .308 .337 .346 .321 .217 .183 .217 .178 .215 .323 .402 .498	062 A= 4 .006 .005 .004 .011 .183 .3358 .350 .326 .266 .210 .192 .183 .206 .281 .206 .281 .417 .504	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .193 .192 .207 .250 .351 .481 .601 .633 .654	-,261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *342 *462 *587 *665 *706 *723 *712 *700 *689	.298 .297 .296 .290 .271 .246 .1182 .151 .139 .143 .162	2
6.000 -6.000 -5.900 -5.900 -4.500 -4.500 -4.500 -2.750 -2.250 -2.000 -1.500	.029003007001 .059 .264 .310 .318 .326 .322 .284 .236 .196 .403 .655 .225 .306 .403 .525	-010 -008 -010 -006 -166 -299 -322 -339 -340 -294 -240 -171 -189 -244 -355 -440 -551	002 003 003 003 000 105 308 337 346 346 346 321 273 217 183 215 323 402 402 498 579	062 A= 4 .006 .005 .004 .011 .183 .333 .358 .350 .266 .210 .192 .183 .206 .281 .417 .504 .582 .625	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .193 .192 .207 .250 .351 .601 .633 .665 .665	-,261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *462 *587 *665 *706 *723 *710 *689 *670	.298 .297 .296 .290 .271 .246 .216 .182 .151 .139 .143 .162 .196	2
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.250 -2.250 -2.250 -1.500 -1.250 -1.000 -1.250 -1.500 -1.250 -1.500 -1.250 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500	.029003007007007007007008108108118118126126143165143165225306403525601	-010 -008 -010 -008 -010 -006 -166 -299 -322 -339 -340 -330 -240 -193 -1	002 003 003 003 .000 .105 .337 .346 .321 .217 .183 .178 .215 .215 .402 .498 .579 .623	062 A= 4 .006 .005 .004 .011 .183 .3358 .350 .326 .266 .210 .192 .183 .206 .281 .206 .281 .417 .504	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .192 .207 .250 .351 .481 .601 .633 .654 .665 .665	-,261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *342 *462 *587 *665 *706 *723 *712 *700 *689	.298 .297 .296 .290 .271 .246 .216 .182 .151 .139 .143 .162 .196 .250	2
6.000 -6.000 -5.900 -5.900 -4.500 -4.500 -4.500 -2.750 -2.250 -2.000 -1.500	.029003007001 .059 .264 .310 .318 .326 .322 .284 .236 .196 .403 .655 .225 .306 .403 .525	-010 -008 -010 -006 -166 -299 -322 -339 -340 -294 -240 -171 -189 -244 -355 -440 -551	002 003 003 003 000 105 308 337 346 346 346 321 273 217 183 215 323 402 402 498 579	062 A= 4 .006 .005 .004 .011 .183 .333 .358 .350 .266 .210 .192 .183 .206 .281 .417 .504 .582 .625	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .193 .192 .207 .250 .351 .601 .633 .665 .665	-,261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *462 *587 *665 *706 *723 *710 *689 *670	.298 .297 .296 .290 .271 .246 .216 .182 .151 .139 .143 .162 .196	2
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.250 -2.250 -2.250 -1.750 -1.500	.029003007001059264310318326322284336196143165225306403525601633619	-010 -008 -010 -008 -010 -006 -166 -299 -322 -339 -340 -340 -171 -189 -240 -171 -189 -264 -355 -440 -551 -608	042003	062 A= 4 .006 .005 .004 .011 .183 .333 .358 .350 .266 .210 .192 .183 .206 .281 .417 .504 .582 .625	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .193 .192 .207 .250 .351 .481 .601 .633 .665 .658 .644	-,261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *462 *587 *665 *723 *712 *700 *689 *670 *657	.298 .297 .296 .290 .271 .246 .216 .182 .151 .139 .143 .162 .196 .250 .325 .385	2
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.250 -2.250 -2.250 -1.250	.029003007001059264310318318326322284236143165225306403525601633619426	-010 -008 -010 -008 -010 -006 -166 -299 -322 -339 -340 -330 -294 -240 -193 -171 -189 -264 -551 -608 -624	002 003 003 003 .000 .105 .337 .346 .321 .217 .183 .178 .215 .323 .402 .498 .579 .623 .645	062 A = 4 .006 .005 .004 .011 .183 .358 .350 .326 .266 .210 .192 .183 .206 .281 .417 .504 .582 .645 .623	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .192 .207 .250 .351 .481 .601 .633 .654 .665 .6658 .644 .627	-,261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *462 *587 *665 *723 *712 *700 *689 *670 *657	.298 .297 .296 .290 .271 .246 .216 .182 .151 .139 .143 .162 .250 .325 .385 .368	2
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.750 -1.500 -3.750 -1.500 -3.750 -1.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3	.029003007007001 .059 .264 .310 .318 .318 .326 .322 .284 .236 .196 .143 .165 .225 .306 .403 .525 .601 .633 .61944264433	-0108 -008 -010 -008 -010 -006 -166 -299 -329 -339 -340 -330 -294 -171 -189 -240 -171 -186 -551 -608 -624	042003	062 A = 4 .006 .005 .004 .011 .183 .335 .350 .326 .266 .210 .192 .183 .206 .281 .206 .281 .504 .582 .625 .645	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .193 .192 .207 .250 .351 .481 .601 .633 .654 .665 .664 .627	-,261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *462 *587 *665 *723 *712 *700 *689 *670 *657	. 298 . 297 . 296 . 290 . 271 . 246 . 216 . 182 . 151 . 139 . 143 . 162 . 196 . 250 . 325 . 385 . 368	2
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.250 -2.250 -1	.02900300700700700700105926431831832632228423614316522530640352560163361944264433462463	-010 -008 -010 -006 -166 -299 -322 -339 -340 -294 -240 -193 -171 -189 -264 -355 -440 -551 -608 -624 -419 -440 -440	002 003 003 003 003 003 003 000 105 337 346 321 217 183 178 215 323 402 498 523 623 624 405 412 437	062 A = 4 .006 .005 .004 .011 .183 .358 .350 .326 .266 .210 .192 .183 .206 .281 .417 .504 .582 .645 .623405410	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .192 .207 .250 .351 .481 .601 .633 .654 .6658 .644 .6658	-,261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *462 *587 *665 *706 *723 *710 *689 *670 *657	. 298 . 297 . 296 . 290 . 271 . 246 . 216 . 182 . 151 . 139 . 143 . 162 . 196 . 250 . 325 . 385 . 368	2
6.000 -6.000 -5.900 -5.900 -5.900 -4.900 -4.900 -3.500 -3.500 -3.000 -3.500 -3.000	.029003007007001 .059 .264 .310 .318 .318 .326 .322 .284 .236 .196 .143 .165 .225 .306 .403 .525 .601 .633 .61944264433	-0108 -008 -010 -008 -010 -006 -166 -299 -329 -339 -340 -330 -294 -171 -189 -240 -171 -186 -551 -608 -624	042003	062 A = 4 .006 .005 .004 .011 .183 .335 .350 .326 .266 .210 .192 .183 .206 .281 .206 .281 .504 .582 .625 .645	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .193 .192 .207 .250 .351 .481 .601 .633 .654 .665 .664 .627	261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *342 *462 *587 *665 *706 *723 *712 *700 *657 *627	.298 .297 .296 .290 .271 .246 .216 .216 .182 .151 .139 .143 .162 .196 .250 .325 .385 .368 .368 .328 .337 .337	2
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -1.750 -1.250	.029003007007007007007008310318318322224236143165225306403525601633463463463463462361	-010 -008 -010 -008 -010 -006 -166 -299 -322 -339 -340 -330 -240 -193 -193 -193 -551 -608 -624 -419 -430 -440 -440 -474 -413 -408	002003	062 A= 4 .006 .005 .004 .011 .183 .333 .358 .350 .326 .266 .210 .192 .183 .206 .281 .417 .504 .582 .625 .645 .623401410438	154 5° .009 .009 .009 .021 .305 .366 .234 .255 .206 .193 .192 .207 .257 .207 .257 .206 .193 .192 .207 .255 .206 .351 .481 .601 .633 .654 .665 .6658 .644 .627	-,261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *462 *587 *665 *706 *723 *710 *689 *670 *657	. 298 . 297 . 296 . 290 . 271 . 246 . 216 . 182 . 151 . 139 . 143 . 162 . 196 . 250 . 325 . 385 . 368	2
6.000 -6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500	.029003007001059264310318326322284236143165225306403619426433462463412361355	-010 -008 -010 -008 -010 -006 -166 -299 -322 -339 -340 -340 -171 -189 -240 -171 -189 -264 -355 -440 -551 -608 -624 -419 -440 -440 -4413 -440 -4413 -440 -4413 -440 -374	042003	062 A = 4 .006 .005 .004 .011 .183 .333 .358 .350 .266 .210 .210 .281 .417 .504 .582 .625 .645 .623 405401418438448448448	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .193 .192 .207 .250 .351 .481 .601 .633 .654 .665 .658 .644 .627	-,261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *462 *587 *665 *706 *723 *712 *700 *689 *670 *657 *627	.298 .297 .296 .290 .271 .246 .216 .182 .151 .139 .143 .162 .250 .325 .385 .368 -328 -337 -337 -319 -308 -309 -325	2
6.000 -6.000 -5.000 -5.000 -5.000 -4.500 -4.500 -4.500 -2.250 -2.250 -2.250 -1.250	.0290030070070070070070083103183183262262262262362253064335254634634634634634634634634634634634623661355282	-010 -008 -010 -008 -010 -006 -166 -299 -322 -339 -340 -330 -240 -171 -189 -264 -355 -440 -551 -608 -624 -419 -440 -474 -4413 -408 -374 -350	002 003 003 003 .000 .105 .337 .346 .321 .217 .178 .215 .215 .402 .498 .579 .623 .645 .645 .645 .645 4412 445 446 446 439 439	062 A = 4 .006 .005 .004 .011 .183 .3358 .350 .326 .266 .210 .192 .183 .206 .281 .417 .504 .582 .625 .645 .62340540141843843844384403	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .193 .192 .207 .257 .351 .661 .663 .654 .665 .644 .627	261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *342 *462 *587 *665 *706 *712 *700 *657 *627	.298 .297 .296 .290 .271 .246 .216 .218 .218 .151 .143 .162 .196 .250 .325 .385 .368 -328 -337 -337 -319 -309 -325 -309 -325 -346	2
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.500 -2.250 -2.250 -1.750 -1.500	.02900300700700700105926431031832632632632632632632632632632633643346243346243346243613555282290	-010 -008 -010 -008 -010 -006 -166 -299 -322 -339 -340 -330 -294 -240 -171 -189 -264 -355 -608 -624 -419 -430 -460 -474 -413 -408 -374 -374 -374 -374 -375 -315	042003	062 A = 4 .006 .005 .004 .011 .183 .333 .358 .350 .326 .210 .266 .219 .206 .281 .407 .504 .582 .625 .645 .623 405401418408408408408408397	154 5° .009 .009 .009 .021 .366 .334 .255 .206 .293 .192 .207 .250 .351 .481 .601 .633 .665	-,261 **007 **010 **005 **247 **351 **230 **199 **214 **252 **462 **587 **665 **723 **712 **700 **689 **670 **657 **627	.298 .297 .296 .290 .271 .246 .216 .182 .151 .139 .143 .162 .159 .250 .325 .385 .368 .337 .328 .337 .319 .309 .325 .309 .325 .346 .337	2
6.000 -6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -2.250 -2.250 -2.250 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500	.029003007001059264310318318322284236143165225306433525601433462463462463462463412356135613282290128	-010 -008 -010 -008 -010 -006 -166 -299 -322 -339 -340 -240 -171 -189 -264 -355 -440 -551 -608 -624 -419 -440 -474 -413 -408 -375 -375 -375 -375 -375 -375 -375 -375	002003	062 A = 4 .006 .005 .004 .011 .183 .358 .350 .326 .266 .210 .192 .206 .281 .417 .504 .582 .625 .645 .623 405401410438433414408397381	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .193 .192 .207 .257 .250 .351 .661 .663 .665 .665 .644 .627	261 .007 .010 .005 .247 .351 .230 .199 .214 .252 .342 .462 .587 .665 .706 .722 .706 .689 .6670 .6670 .6670 .627	.298 .297 .296 .271 .226 .216 .216 .216 .215 .139 .143 .162 .196 .250 .325 .385 .368 -328 -337 -319 -309 -309 -325 -324 -309 -325 -324 -309 -325 -324 -325 -327 -328 -329 -329 -329 -329 -329 -329 -329 -329	2
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.500 -2.250 -2.250 -1.750 -1.250	.0290030070070070010592643103183263222843361961431652253064035256016336194434624634123661355282282290128029	-0108 -008 -0109 -008 -0100 -006 -166 -299 -329 -339 -340 -330 -294 -171 -189 -240 -171 -189 -551 -608 -624 -419 -430 -440 -474 -413 -408 -374 -355 -287 -214	002003	062 A = 4 .006 .005 .004 .011 .183 .335 .350 .326 .266 .210 .192 .183 .206 .281 .504 .582 .625 .645 .623405401410438403397381364	154 5° .009 .009 .009 .021 .305 .326 .235 .206 .193 .192 .207 .250 .351 .481 .663 .665 .654 .665 .654 .627	-,261 **007 **010 **005 **247 **351 **230 **199 **214 **252 **462 **587 **665 **723 **712 **700 **670 **670 **657 **627	.298 .297 .296 .220 .271 .246 .216 .182 .151 .139 .143 .162 .196 .250 .325 .385 .368 .337 .337 .337 .337 .309 .325 .325 .325 .328 .337 .309 .325 .325 .325 .325 .327 .327 .327 .327 .327 .327 .327 .327	2
6.000 -6.000 -5.500 -5.500 -5.000 -4.500 -4.500 -4.500 -2.250 -2.250 -2.250 -2.250 -1.500 -1.250	.029003007001059264310318318326226284236143255205403412426433462462282290128029062	-0108 -008 -010 -008 -010 -006 -166 -299 -322 -339 -340 -330 -244 -244 -355 -440 -551 -608 -624 -419 -430 -4413 -408 -374 -413 -408 -374 -355 -315 -287 -214 -025	002 003 003 003 .000 .105 .337 .346 .321 .217 .183 .178 .215 .323 .402 .498 .579 .623 .645 .624 405 412 445 446 399 359 359 3359		154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .193 .192 .207 .250 .351 .481 .661 .663 .6654 .6658 .644 .657 .394 .392 .386 .394 .395 .382	261 .007 .010 .005 .247 .351 .230 .199 .214 .252 .342 .462 .587 .665 .706 .723 .710 .689 .6670 .657 .627	.298 .297 .296 .271 .246 .216 .216 .216 .215 .139 .143 .162 .196 .250 .325 .385 .368 -328 -337 -319 -309 -325 .309 -325 .309 -326 .325 .337 -319 .325 .325 .337 -337 -337 -337 -337 -337 -337 -337	2
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.500 -2.250 -2.250 -1.750 -1.250	.0290030070070070070070080180180180260260318026031802603180260318026033046033046204630412056105550282029062	-0108 -008 -0109 -008 -0100 -006 -166 -299 -329 -339 -340 -330 -294 -193 -193 -193 -194 -193 -608 -624 -419 -430 -440 -474 -413 -374 -350 -315 -287 -214 -025 -078	002003	062 A = 4 .006 .005 .004 .011 .183 .3358 .350 .326 .266 .210 .192 .183 .206 .281 .406 .281 .504 .582 .625 .645 .62340540141043843840333643364336433643330313	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .193 .192 .207 .250 .351 .481 .601 .633 .654 .665 .665 .644 .627	-,261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *342 *462 *587 *665 *706 *723 *712 *700 *689 *670 *657 *627	.298 .297 .296 .220 .271 .246 .216 .182 .151 .139 .143 .162 .196 .250 .325 .385 .368 .337 .337 .337 .337 .309 .325 .325 .325 .328 .337 .309 .325 .325 .325 .325 .327 .327 .327 .327 .327 .327 .327 .327	2
6.000 -6.000 -5.500 -5.500 -5.000 -4.500 -4.500 -4.500 -2.250 -2.250 -2.250 -2.250 -1.500 -1.250	.029003007001059264310318318326226284236143255205403412426433462462282290128029062	-0108 -008 -0109 -008 -0100 -006 -166 -299 -322 -339 -340 -330 -294 -193 -189 -240 -193 -551 -608 -624 -419 -430 -4460 -474 -413 -374 -355 -287 -214 -025 -078 -067 -049	002 003 003 003 003 003 003 000 105 337 346 321 217 183 178 215 323 402 405 412 437 459 446 445 446 445 446 446 447 459 454 446 459 454 454 446 399 359 359 339	062 A = 4 .006 .005 .004 .011 .183 .358 .350 .326 .266 .210 .192 .183 .206 .281 .417 .504 .582 .625 .405 .401 .410 .438 .433 .414 .408 .433 .3364 .3364 .3330 .3313 .3313 .3251	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .192 .207 .250 .351 .481 .661 .6658 .664 .6658 .6644 .667 .394 .382 .386 .382 .386 .382 .386 .382	261 .007 .010 .005 .247 .351 .230 .199 .214 .252 .342 .462 .587 .665 .706 .723 .712 .700 .689 .6657 .627	.298 .297 .296 .271 .246 .216 .216 .216 .215 .139 .143 .162 .196 .250 .325 .385 .368 -328 -337 -319 -309 -325 .309 -325 .309 -326 .325 .337 -319 .325 .325 .337 -337 -337 -337 -337 -337 -337 -337	2
6.000 -6.000 -5.500 -5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -1	.029003007001 .059 .264 .310 .318 .318 .326 .322 .284 .236 .143 .165 .225 .306 .403 .525 .601 .633 .619426433462463412255282290128 .029 .062 .034 .016	-010 -008 -010 -008 -010 -006 -166 -299 -322 -339 -340 -330 -240 -171 -189 -264 -355 -440 -551 -608 -624 -419 -430 -460 -413 -440 -350 -315 -315 -315 -315 -315 -315 -315 -315	002 003 003 003 003 003 003 003 003 337 346 321 217 183 178 215 323 402 405 412 437 459 454 446 420 329 339 311 290 059 089 089 089	062 A = 4 .006 .005 .004 .011 .183 .3358 .350 .326 .266 .210 .192 .183 .206 .281 .417 .504 .582 .645 .623405401410438 .433341 .408 .403381 .3364 .3330381 .313 .251 .195 .169	154 5° .009 .009 .009 .021 .305 .366 .334 .255 .206 .193 .192 .207 .250 .351 .481 .601 .633 .654 .665 .665 .644 .627	261 .007 .010 .005 .247 .351 .230 .199 .214 .252 .342 .462 .565 .706 .723 .712 .700 .689 .677 .667 .627 .627	.298 .297 .296 .271 .246 .216 .216 .216 .215 .139 .143 .162 .196 .250 .325 .385 .368 -328 -337 -319 -309 -325 .309 -325 .309 -326 .325 .337 -319 .325 .325 .337 -337 -337 -337 -337 -337 -337 -337	2
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.550 -2.500 -2.250 -2.250 -1.750 -1.250	.029003007007007007007008018	-0108 -008 -0109 -008 -0100 -006 -166 -299 -322 -339 -340 -330 -294 -193 -189 -240 -193 -551 -608 -624 -419 -430 -4460 -474 -413 -374 -355 -287 -214 -025 -078 -067 -049	002003	062 A = 4 .006 .005 .004 .011 .183 .3358 .350 .326 .266 .210 .192 .183 .206 .281 .417 .504 .582 .625 .645 .6234054410438438414448403397381313251313251195	154 5° .009 .009 .009 .021 .305 .366 .235 .206 .193 .192 .207 .255 .206 .193 .192 .207 .255 .206 .193 .192 .207 .255 .206 .351 .481 .601 .633 .654 .665 .6658 .644 .627	261 *007 *010 *005 *247 *351 *230 *199 *214 *252 *342 *462 *587 *665 *712 *700 *657 *627 369 *670 *627	.298 .297 .296 .271 .246 .216 .216 .216 .215 .139 .143 .162 .196 .250 .325 .385 .368 -328 -337 -319 -309 -325 .309 -325 .309 -326 .325 .337 -319 .325 .325 .337 -337 -337 -337 -337 -337 -337 -337	2

Table 15 Continued

Plate and Spoiler Pressure Coefficients

Configuration 8 M=1.61 $R=0.30 \times 10^6$

				Plate				Spoi	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	60°				
	T				410				100
-6.000 -5.500	002	001	007	•006	•012	•005		1 2	• 429
-5.000	001	002	010	.001	.008	.000		3	• 426
-4.500	•001	005	005	•007	•007	•002		4	.421
-4.000	•013	001	004	•004	•010	•177	•207	5	.414
-3.500	•147	•053	•020	•056	•219	•332	• 225	6	• 385
-3.000	•220	• 209	•210	• 248	•302	• 202	• 232	7	193
-2.750	•238	• 246	• 243	•270	•307	•185	• 229	8	347
-2.500 -2.250	•245	• 249 • 251	• 260 • 259	• 275 • 277	•284 •201	•231 •320	• 230 • 230	10	387 405
-2.000	• 244	• 253	• 260	•249	•162	•412	• 222	11	436
-1.750	•235	•241	•232	•180	•185	•495	•199	12	• 327
-1.500	•187	•188	•163	•158	•248	•527	•161	13	.328
-1.250	•109	•138	•151	•192	.354	.524	•139	14	.334
-1.000	•146	•167	•208	• 293	•456	.509	•154	15	.341
750	• 250	•284	•338	•415	•488	•495	•209	16	• 346
625	•343	•372	•401	• 451	• 476	•478	• 250	17	.331
500	•410	• 402	•431	• 458	• 466	• 467	• 285	18	•185
375	•419	• 457	• 442	• 453	•464	.460	•313	19	365
250 125	• 445	•430	• 438	• 443	• 453	•451	• 327	20	345
.000	•442	• 420	•441 •428	• 430	•448	• 426	•333 •331	21 22	266
• 250 • 375	352 382	354	336 363	323	322		364 364		
•500	420	424	409	379	331		372		
•750	389	428	438	423	377	~.337	321		
1.000	298	355	415	433	402	271	295		
1.250	163	281	373	423	370	246	230		
1.500	≠.029	159	293	397	335	245	243		
1.750	•056	065	182	350	304	251	338		
2.000	•043	022	062	299	290	~.264	207		
2.250	•037	004	011	235	279	293	070		
2.500	•019	001	•022	154	276	328	•005		
2.750	•007	001	•033	071	296	368	•038		
3.000	010	•001	•035	011	334	310	•042		
3.500 4.000	033	007 .001	•028	•033	311 241	310 341			
4.500	055	001	.016 .005	•050	169	~.346			
5.000	048	005	•006	•047	073	307			
5.500	039	•000	•009	•039	029	300			
6.000		000	.009	.034	019	288			
0.000	034	•002	****			- \$200			
0.000	034	•002			75°	- #200		2	
				Λ=	75°				•122
-6.000 -5.500	*010	•000	•000			•005 •006		1 2	•122 •127
-6.000	•010	•000	•000	Λ=	75°	•005		1 2 3	•122 •127 •125
-6.000 -5.500 -5.000 -4.500	*010 *010 *008 *007	.000 001 003 002	•000	Λ= •004 •002	75°	.005 .006 .000		2 3 4	.127
-6.000 -5.500 -5.000 -4.500 -4.000	*010 *010 *008 *007 *014	.000 001 003 002	.000 004 003 003	Λ= •004 •002 •004 •005 •000	.010 .010 .008 .008	.005 .006 .000 .003	•087	2 3 4 5	•127 •125 •117 •106
-6 • 000 -5 • 500 -5 • 000 -4 • 500 -4 • 500	*010 *010 *008 *007 *014	.000 001 003 002 .000	.000 004 003 003 002	Λ= -004 -002 -004 -005 -006	**************************************	.005 .006 .000 .003 .006	•088	2 3 4 5 6	•127 •125 •117 •106 •084
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500	*010 *010 *008 *007 *014 *046 *097	.000 001 003 002 .000 .009	.000 004 003 003 002 .002	Λ= -004 -002 -004 -005 -006 -078	010 010 008 008 007 021	.005 .006 .000 .003 .006 .181	•088 •083	2 3 4 5 6 7	•127 •125 •117 •106 •084 -•280
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750	*010 *010 *008 *007 *014 *046 *097 *110	.000 001 003 002 .000 .009	-000 -004 -003 -003 -002 -002 +001 +101	Λ= -004 -002 -004 -005 -000 -006 -078 -125	010 010 000 008 008 007 021 154	.005 .006 .000 .003 .006 .181 .225	•088 •083 •084	2 3 4 5 6 7 8	*127 *125 *117 *106 *084 -*280 -*134
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500	*010 *010 *008 *007 *014 *046 *097 *110	.000 001 003 002 .000 .009 .067 .107	-000 -004 -003 -003 -002 -002 -051 +101 +129	Λ= -004 -002 -004 -005 -006 -078 -125 -146	75° .010 .010 .008 .008 .007 .021 .154 .183 .186	.005 .006 .000 .003 .006 .181 .225 .214	.088 .083 .084	2 3 4 5 6 7 8 9	• 127 • 125 • 117 • 106 • 084 - • 280 - • 134 - • 212
-6:000 -5:500 -5:500 -4:500 -4:500 -3:500 -3:500 -2:750 -2:500 -2:250	.010 .010 .008 .007 .014 .046 .097 .110 .118	-000 -001 -003 -002 -000 -009 -067 -107 -120 -126	-000 -004 -003 -003 -002 -002 -051 -101 -129 +139	Λ= .004002004 .005 .000 .006 .078 .125 .146 .156	75° .010 .010 .008 .008 .007 .021 .154 .183 .186 .175	.005 .006 .000 .003 .006 .181 .225 .214 .196	.088 .083 .084 .084	2 3 4 5 6 7 8 9	• 127 • 125 • 117 • 106 • 084 • - 280 • 134 • • 212 • 298
-6.000 -5.500 -5.000 -4.500 -3.500 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000	*010 *010 *008 *007 *014 *046 *097 *110 *118 *130	.000 001 003 002 .000 .009 .067 .107 .120 .126	-000 -004 -003 -003 -002 -002 -051 -101 -129 -139 -141	Λ= .004002004 .005 .000 .006 .078 .125 .146 .156 .156	75° .010 .010 .008 .008 .007 .021 .154 .183 .186 .175 .165	.005 .006 .000 .003 .006 .181 .225 .214 .196 .189	.088 .083 .084 .084 .081	2 3 4 5 6 7 8 9	• 127 • 125 • 117 • 106 • 084 • - 280 • • 134 • - 212 • 298 • 345
-6 ± 000 -5 ± 500 -5 ± 500 -4 ± 500 -4 ± 500 -3 ± 500 -2 ± 750 -2 ± 250 -2 ± 250 -1 ± 750	.010 .010 .008 .007 .014 .046 .097 .110 .118	-000 -001 -003 -002 -000 -009 -067 -107 -120 -126	-000 -004 -003 -003 -002 -002 -051 -101 -129 +139	Λ= .004002004 .005 .000 .006 .078 .125 .146 .156	75° .010 .010 .008 .008 .007 .021 .154 .183 .186 .175	.005 .006 .000 .003 .006 .181 .225 .214 .196 .189	.088 .083 .084 .084	2 3 4 5 6 7 8 9 10	•127 •125 •117 •106 •084 ••280 ••134 ••212 ••298 ••345 •101
-6.000 -5.500 -5.000 -4.500 -3.500 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000	*010 *010 *008 *007 *014 *046 *097 *110 *118 *130 *122 *121	.000 -001 -003 -002 .000 .009 .067 .107 .120 .126	.000 004 003 002 002 051 101 129 139 141 135	Λ= -004 -002 -004 -005 -006 -078 -125 -146 -156 -150 -154	75° .010 .010 .008 .008 .007 .021 .154 .183 .186 .175 .165 .151	.005 .006 .000 .003 .006 .181 .225 .214 .196 .189	.088 .083 .084 .084 .081	2 3 4 5 6 7 8 9 10 11	• 127 • 125 • 117 • 106 • 084 • - 280 • • 134 • - 212 • 298 • 345
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -2.500 -2.500 -2.500 -1.750 -1.250 -1.250 -1.250	*010 *010 *008 *007 *014 *097 *110 *118 *130 *122 *121 *120 *084 *103	.000 001 003 002 .000 .009 .057 .107 .126 .126 .126 .126 .121 .115	.000 004 003 003 002 .002 .001 1.101 1.129 1.135 1.129 1.121 1.116	Λ= .004 .005 .000 .006 .078 .125 .146 .156 .150 .154 .139 .119	75° .010 .008 .008 .007 .021 .154 .183 .186 .175 .165 .151 .143 .145 .149	.005 .006 .000 .003 .006 .181 .225 .214 .196 .189 .181 .179	.088 .083 .084 .084 .081 .080 .080 .079	2 3 4 5 6 7 8 9 10 11 12 13 14	.127 .125 .117 .106 .084 280 134 212 298 345 .101 .103 .106
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -2.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.250 -1.750	*010 *010 *008 *007 *014 *046 *097 *110 *118 *130 *122 *121 *120 *084 *103 *101	.000 001 003 002 .000 .009 .067 .107 .120 .126 .126 .121 .115 .104	.000 004 003 003 002 .051 .101 .129 .139 .141 .135 .129 .121 .116	Λ= .004 .005 .000 .006 .078 .125 .146 .150 .154 .139 .119 .129	75° .010 .010 .008 .008 .007 .021 .154 .183 .186 .175 .165 .151 .143 .149 .151	.005 .006 .000 .003 .006 .181 .225 .214 .196 .189 .181 .179 .174 .172	.088 .083 .084 .084 .081 .080 .080 .079 .080	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	127 125 117 106 084 -220 -134 -212 -298 -345 101 103 106
-6.000 -5.500 -5.500 -4.500 -4.000 -3.500 -2.500 -2.500 -2.250 -2.000 -1.750 -1.250 -1.250 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750	*010 *010 *008 *007 *014 *097 *110 *118 *130 *122 *121 *120 *084 *103 *101 *099	.000 001 003 002 .000 .009 .067 .107 .126 .126 .126 .121 .115 .104	.000 004 003 003 002 .002 .001 1.129 1.141 1.135 1.129 1.141 1.135 1.129 1.141 1.1	Λ= .004 .002 .004 .005 .000 .006 .078 .125 .146 .156 .156 .159 .119 .129 .134	75° .010 .010 .008 .008 .007 .021 .154 .183 .186 .175 .165 .151 .143 .149 .151	.005 .006 .000 .003 .006 .181 .225 .214 .196 .181 .179 .174 .172 .162	.088 .083 .084 .084 .081 .080 .079 .080 .079 .080	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	127 125 117 106 084 -280 -134 -212 -298 -345 101 106 106
-6.000 -5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.500 -2.250 -2.250 -2.250 -1.750 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	*010 *010 *008 *007 *014 *046 *097 *110 *118 *130 *122 *121 *120 *084 *103 *101 *099 *114	.000 001 003 002 .000 .009 .067 .120 .126 .126 .126 .121 .115 .104 .109	.000 004 003 003 002 .0051 .101 .129 .139 .141 .135 .129 .121 .116 .124 .125 .128	Λ = .004002004 .005 .000 .006 .078 .125 .146 .156 .159 .129 .134 .136 .134 .136	75° .010 .018 .008 .008 .007 .021 .154 .183 .186 .175 .165 .143 .144 .145 .149 .151 .152 .151	.005 .006 .000 .003 .006 .181 .225 .214 .196 .181 .179 .174 .172 .162	.088 .083 .084 .084 .081 .080 .080 .079 .080 .077 .075	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	127 125 117 106 084 -280 -134 -212 -298 -345 101 103 106 106
-6.000 -5.500 -5.500 -4.500 -4.600 -3.500 -3.500 -2.500 -2.500 -2.250 -2.250 -1.750 -1.500 -1.500 -1.500 -1.500 -3.500 -3.750 -3	*010 *010 *008 *007 *014 *097 *110 *118 *130 *122 *121 *121 *101 *101 *101 *101 *10	.000 001 003 002 .000 .009 .067 .120 .126 .126 .121 .115 .104 .109 .126 .121 .104	*000 -004 -003 -003 -002 -002 -001 129 139 141 135 129 121 116 124 125 128	Λ= .004002005 .000 .006 .078 .125 .146 .150 .154 .139 .129 .134 .136 .144	75° .010 .010 .008 .008 .007 .021 .154 .183 .186 .175 .165 .143 .145 .149 .151 .152 .151	.005 .006 .000 .003 .006 .181 .225 .214 .196 .181 .179 .174 .172 .186 .186 .155	.088 .083 .084 .084 .081 .080 .080 .079 .080 .072 .071 .075 .082	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	127 125 117 106 084 -280 -134 -212 -298 -345 101 106 106 095 028
-6.000 -5.500 -5.000 -4.500 -4.500 -3.000 -3.000 -2.750 -2.250 -2.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -3.000 -3	**************************************	.000 001 003 002 .000 .009 .067 .120 .126 .126 .126 .121 .115 .104 .109	.000 004 003 003 002 .0051 .101 .129 .139 .141 .135 .129 .121 .116 .124 .125 .128 .134	Λ = .004002004 .005 .000 .006 .078 .125 .146 .156 .159 .129 .134 .136 .134 .136	75° .010 .018 .008 .008 .007 .021 .154 .183 .186 .175 .165 .151 .143 .144 .145 .151 .152 .151	.005 .006 .000 .003 .006 .181 .225 .214 .196 .181 .179 .174 .172 .162	.088 .083 .084 .084 .081 .080 .079 .080 .072 .071 .075 .082 .091	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	127 125 117 106 084 -280 -134 -212 -298 -345 101 103 106 106 106 095 028 -218
-6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -3.500 -2.750 -2.500 -1.750 -1.500 -1.500 -1.500 -1.500 -1.250 -3.750 -3	***O10 ***O10 ***O08 ***O07 ***O14 ***O97 ***I10 ***I18 ***I20 ***I21 ***I20 ***O84 ***I03 ***I01 ***O99 ***I14 ***I17 ***I42 ***I36	.000 -001 -003 -002 -000 -009 -007 -107 -120 -126 -121 -115 -109 -125 -126 -121 -126 -121 -126 -121 -126 -126	.000 -004 -003 -003 -002 -002 -001 101 129 139 141 135 121 116 -124 -128 -132 -132 -134	Λ= .004002005 .000 .006 .078 .125 .146 .150 .154 .139 .129 .134 .136 .144	75° .010 .010 .008 .008 .007 .021 .154 .183 .186 .175 .165 .143 .145 .149 .151 .152 .151	.005 .006 .000 .003 .006 .181 .225 .214 .196 .181 .179 .174 .172 .186 .186 .155	.088 .083 .084 .084 .080 .080 .079 .080 .072 .071 .075 .082 .091	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195
-6.000 -5.500 -5.500 -6.500 -4.500 -3.500 -3.500 -2.750 -2.500 -1.750 -1.500 -1.500 -1.500 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	**Olo ***Olo ***	.000 -001 -003 -002 -000 -009 -007 -107 -126 -126 -126 -121 -115 -104 -126 -125 -143 -126	.000 -004 -003 -003 -002 -002 -001 -129 -139 -141 -135 -121 -116 -124 -128 -132 -132 -137 -135	A= .004002004 .005 .000 .006 .078 .125 .146 .156 .150 .151 .154 .144 .145 .146	75° .010 .010 .008 .008 .007 .021 .154 .183 .186 .175 .165 .143 .145 .145 .145 .151 .152 .151 .155 .150	.005 .006 .000 .003 .006 .181 .225 .214 .196 .189 .181 .179 .174 .172 .162 .156 .155 .152	.088 .083 .084 .084 .080 .080 .079 .080 .072 .071 .075 .082 .091 .099 .105	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -298 -345 101 103 106 106 106 095 028 -218
-6.000 -5.500 -5.000 -4.000 -4.000 -3.500 -2.000 -2.750 -2.500 -1.750 -1.250 -1	*010 *010 *0018 *007 *014 *0046 *0097 *110 *1120 *121 *121 *120 *084 *103 *101 *103 *101 *117 *117 *1142 *136 *132	.000 -001 -003 -002 -000 -009 -007 -107 -120 -126 -126 -126 -121 -115 -104 -109 -125 -126 -126 -127 -129 -129 -117	.000 004 003 003 002 .002 .001 1101 1129 1135 1121 1116 1124 1125 1128 1137 1137 1137	Λ= .004 -002 -004 .005 .006 .006 .078 .125 .146 .150 .154 .139 .119 .129 .134 .144 .145 .144 .145 .146	75° .010 .008 .008 .007 .021 .154 .183 .186 .175 .165 .151 .143 .145 .149 .151 .152 .155 .150 .143 .139	.005 .006 .000 .003 .006 .181 .225 .214 .196 .189 .181 .179 .174 .172 .162 .156 .155 .152	.088 .083 .084 .084 .081 .080 .080 .079 .072 .071 .075 .082 .091 .099 .103	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195
-6.000 -5.500 -5.500 -7.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -1.750 -1.500 -1.250 -1	***O10 ***O10 ***O08 ***O07 ***O14 ***O97 ***I10 ***I18 ***I20 ***I21 ***I20 ***O84 ***I03 ***I01 ***O99 ***I14 ***I17 ***I142 ***I136 ***I132 ***I136 ***I132 ***I135 ***I135 ***I143	.000 001 003 002 .000 .009 .007 .107 .126 .126 .126 .126 .121 .115 .104 .109 .126 .125 .143 .126	.000 004 003 003 002 002 001 129 139 141 135 121 121 124 125 128 134 137 137 137	A= .004002004 .005 .000 .006 .078 .125 .146 .150 .151 .141 .145 .146 .136 .141 .145 .146	75° .010 .010 .008 .007 .021 .154 .183 .186 .175 .165 .151 .143 .145 .149 .151 .152 .151 .153 .143 .139	.005 .006 .000 .003 .006 .181 .225 .214 .196 .189 .181 .179 .174 .172 .162 .156 .155 .152	.088 .083 .084 .084 .081 .080 .079 .080 .072 .071 .075 .082 .091 .099 .105 .103	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195
-6.000 -5.500 -5.000 -4.000 -4.000 -3.500 -2.000 -2.500 -2.500 -1.750 -1.250 -1	***O10 ***O10 ***O10 ***O10 ***O10 ***O14 ***O17 ***O14 ***O17 ***O14 ***O14 ***O14 ***O14 ***O14 ***O14 ***O15 ***O14 ***O15 **O15 ***O15 **O15 ***O15 **O15 ***O15 ***O1	.000 -001 -003 -002 -000 -009 -007 -107 -126 -126 -126 -126 -121 -115 -104 -109 -125 -126 -126 -126 -127 -126 -127 -126 -127 -126 -127 -127 -128 -129 -129 -129 -129 -129 -129 -129 -129	.000 004 003 003 002 .002 .001 1.001 1.29 1.39 1.41 1.35 1.29 1.116 1.125 1.125 1.136 1.137 1.135	Λ= .004 -002 -0004 .005 .000 .006 .078 .125 .156 .150 .154 .139 .119 .129 .134 .144 .145 .144 .145 .146 .132	75° .010 .008 .008 .007 .021 .154 .183 .186 .175 .151 .143 .145 .149 .151 .152 .151 .152 .153 .139	.005 .006 .000 .003 .006 .181 .225 .214 .196 .181 .179 .174 .172 .162 .156 .155 .155 .152	.088 .083 .084 .084 .081 .080 .080 .079 .072 .071 .075 .082 .091 .099 .105 .103	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195
-6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.000 -1.750 -1.500 -1.250	010 0010 0018 0007 0014 0046 0097 1110 1118 1130 1122 121 120 0084 103 1099 1114 1117 1142 1136 1132	.000 001 003 002 .000 .009 .067 .120 .126 .126 .126 .126 .127 .104 .109 .126 .125 .143 .126	.000 004 003 003 002 002 051 101 129 135 121 116 124 125 132 134 137 137 132 132 132 132 132	Λ= .004002004 .005 .000 .006 .078 .125 .146 .156 .150 .154 .139 .119 .129 .134 .146 .145 .146 .132	75° .010 .010 .008 .007 .021 .154 .183 .186 .175 .165 .151 .143 .145 .145 .145 .149 .151 .151 .151 .153 .151 .151 .151 .151	.005 .006 .000 .003 .006 .181 .225 .214 .196 .189 .174 .172 .162 .161 .155 .152 .147	.088 .083 .084 .084 .081 .080 .079 .080 .072 .071 .075 .082 .091 .099 .105 .103 .099 .105 .103	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195
-6.000 -5.500 -5.500 -4.500 -4.600 -3.500 -3.500 -2.500 -2.500 -2.250 -2.000 -1.750 -1.250 -1.250 -1.250 -3.750 -3	***O10 ***O10 ***O10 ***O10 ***O10 ***O14 ***O17 ***O14 ***O17 ***O14 ***O14 ***O14 ***O14 ***O14 ***O14 ***O15 ***O14 ***O15 **O15 ***O15 **O15 ***O15 **O15 ***O15 ***O1	.000 -001 -003 -002 -000 -009 -067 -107 -120 -126 -126 -126 -121 -115 -104 -125 -143 -126 -129 -117 -147 -158 -144 -168	.000 004 003 003 002 .002 .001 1.001 1.29 1.39 1.41 1.35 1.29 1.116 1.125 1.125 1.136 1.137 1.135	A= .004 -002 -004 .005 .006 .078 .125 .146 .150 .154 .139 .119 .119 .129 .134 .144 .145 .146 .122 -087 -1108	75° .010 .010 .008 .007 .007 .021 .154 .183 .186 .175 .165 .151 .151 .152 .151 .152 .151 .152 .151 .152 .151 .152 .151 .159 .143 .143 .143 .143 .143 .149 .151 .152 .151 .155 .150 .143 .139	.005 .006 .000 .003 .006 .181 .225 .214 .196 .181 .179 .174 .172 .162 .162 .156 .155 .152 .147	.088 .083 .084 .084 .081 .080 .080 .077 .080 .072 .075 .082 .091 .099 .105 .103	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195
-6.000 -5.500 -5.000 -4.000 -2.500 -2.000 -2.750 -2.500 -2.500 -2.500 -1.750 -1.250 -1	***O10 **O10 ***O10 **O10 ***O10 **O10 ***O10 **O10 ***O10	.000 001 003 002 .009 .007 .107 .126 .126 .126 .126 .126 .121 .115 .104 .109 .126 .125 .143 .126 .125 .143 .126 .127 .147 147 158 144 083 083	.000 004 003 003 002 .002 .001 129 139 1141 .135 .129 .121 .116 .125 .128 .134 .137 .135	Λ= .004002004 .005 .000 .006 .078 .125 .146 .156 .150 .154 .139 .119 .129 .134 .146 .145 .146 .132	75° .010 .010 .008 .007 .021 .154 .183 .186 .175 .165 .151 .143 .145 .145 .145 .149 .151 .151 .151 .153 .151 .151 .151 .151	.005 .006 .000 .003 .006 .181 .225 .214 .196 .189 .174 .172 .162 .161 .155 .152 .147	.088 .083 .084 .084 .081 .080 .079 .080 .072 .071 .075 .082 .091 .099 .105 .103 .099 .105 .103	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195
-6.000 -5.500 -5.500 -4.500 -4.600 -3.500 -3.500 -2.500 -2.500 -2.250 -2.000 -1.750 -1.250 -1.250 -1.250 -3.750 -3	.010 .0010 .0010 .0007 .0014 .0046 .0097 .110 .1120 .122 .121 .120 .084 .101 .099 .114 .117 .142 .136 .132 .143 .142 .136 .132	.000 -001 -003 -002 -000 -009 -067 -107 -120 -126 -126 -126 -121 -115 -104 -125 -143 -126 -129 -117 -147 -158 -144 -168	.000 004 003 003 002 .0051 .101 .129 .139 .141 .135 .129 .121 .116 .124 .125 .128 .132 .134 .135 .135 .135 .135 .135 .135 .135 .135	Λ= .004 -002 -004 .005 .000 .006 .078 .125 .146 .150 .154 .139 .119 .129 .134 .146 .145 .144 .145 .146 .140 .140 .140 .140 .140 .140 .140 .140	75° .010 .018 .008 .007 .021 .154 .183 .186 .175 .165 .151 .143 .145 .151 .152 .151 .152 .151 .153 .143 .139	.005 .006 .000 .003 .006 .181 .225 .214 .196 .189 .174 .172 .161 .155 .155 .155 .147	.088 .083 .084 .084 .081 .080 .079 .075 .071 .075 .082 .071 .075 .103 .091 .099 .105 .103 .228 .228 .228 .234 .035	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195
-6.000 -5.500 -5.500 -5.500 -4.000 -4.500 -4.000 -3.500 -2.000 -2.500 -2.250 -2.000 -1.500	***O10 ***O10 ***O10 ***O10 ***O10 ***O10 ***O10 ***O110 ***O1	.000 001 003 002 .000 .009 .067 .120 .126 .126 .126 .121 .104 .109 .126 .125 .143 .126 .129 117 147 158 144 083 083 083	.000 004 003 003 002 .002 .001 .129 .139 .141 .135 .129 .121 .116 .125 .128 .132 .134 .137 .135	A= .004 -002 -004 .005 .006 .078 .125 .146 .156 .154 .139 .119 .129 .134 .144 .145 .146 .132 -087 -1108 -1128 -1140 -1045 .028	75° .010 .010 .008 .007 .007 .021 .154 .183 .186 .175 .165 .151 .151 .152 .151 .155 .150 .143 .139	.005 .006 .000 .003 .006 .181 .225 .214 .196 .181 .179 .174 .172 .162 .161 .155 .155 .147 .134	.088 .083 .084 .084 .080 .080 .079 .080 .072 .075 .082 .091 .099 .103 .103 .228 .228 .228 .234 .133 .005 .005 .005 .005 .005 .005 .005 .0	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195
-6.000 -5.500 -5.000 -4.000 -3.500 -4.000 -3.500 -2.500 -2.500 -2.500 -1.750 -1.250	.010 .0010 .0010 .0007 .0014 .0046 .0097 .110 .1120 .084 .103 .101 .0124 .121 .122 .121 .122 .121 .123 .121 .120 .132 .132 .132 .132 .132 .132 .132 .132	.000 -001 -003 -002 -000 -009 -007 -120 -126 -126 -126 -126 -126 -127 -117 -147 -143 -126 -129 -117 -147 -143 -126 -129 -117 -158 -144 -1037 -1030 -1055 -1055	.000 -004 -003 -003 -002 -002 -001 101 1129 1139 1141 1135 1129 1116 1124 1125 1128 1137 1137 1137 1137 1137 1137 1137 113	Λ= .004 -002 -004 .005 .000 .006 .078 .125 .146 .150 .154 .139 .119 .129 .134 .144 .145 .144 .145 .146 .132 -087 -106 -128 .140 -106 -108 .045 .048	75° .010 .008 .008 .007 .021 .154 .183 .186 .175 .165 .151 .143 .145 .149 .151 .152 .151 .152 .155 .153 .139	.005 .006 .000 .003 .006 .181 .225 .214 .196 .181 .177 .172 .162 .161 .155 .152 .147 .134	.088 .083 .084 .081 .080 .080 .079 .080 .072 .071 .075 .082 .091 .099 .105 .103 .228 .218 .234 .133 .009 .009 .009	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195
-6.000 -5.500 -5.500 -6.500 -4.500 -4.500 -3.500 -3.000 -2.750 -2.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750	010 0010 0008 0007 0014 0046 0097 1110 1120 122 121 120 0084 1013 1011 0099 1114 117 1142 136 132 -125 -143 -149 -1052 -1052 -1051 -0099 -0051 -0047	.000 -001 -003 -002 -000 -007 -107 -120 -126 -126 -126 -121 -115 -109 -126 -125 -143 -126 -127 -147 -158 -147 -158 -037 -055 -055 -055	.000 -004 -003 -003 -002 -002 -001 -129 -139 -141 -135 -121 -116 -124 -125 -132 -134 -137 -135 -132 -137 -138 -038 -038 -050 -048	A= .004 .005 .000 .006 .007 .125 .146 .156 .150 .154 .147 .146 .132 .134 .145 .146 .132 .008 .108 .108 .109 .109 .109 .109 .100 .100 .100 .100	75° .010 .010 .008 .007 .0021 .154 .183 .186 .175 .165 .143 .145 .145 .145 .151 .152 .151 .155 .150 .143 .139 -085 -091 -095 -062 -067 -053 -036 -011	.005 .006 .000 .003 .006 .181 .225 .214 .196 .189 .181 .179 .174 .172 .182 .181 .155 .155 .155 .152 .147 .134	.088 .083 .084 .084 .081 .080 .079 .080 .072 .071 .075 .082 .091 .099 .103 .103 .228 .228 .228 .234 .133 .002 .009 .002	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195
-6.000 -5.500 -5.500 -6.000 -4.500 -4.500 -4.000 -3.500 -2.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -3.500 -3.500 -3.750 -3.500 -3.750 -3.500 -3.7500 -3.750 -	010 0010 0010 0008 0007 0014 0046 0097 1110 1121 1120 0084 101 0099 1114 1117 1136 1132 -1142 1136 1132 -1143 -1149 -101 -1052 -101 -1092 -1039 -1047 -0053	.000 -001 -003 -002 -000 -009 -007 -107 -120 -126 -126 -126 -126 -127 -117 -147 -143 -126 -129 -117 -147 -158 -144 -033 -033 -035 -035 -035 -035	.000 004 003 003 002 .002 .001 1.001 1.29 1.135 1.29 1.116 1.125 1.125 1.125 1.135 1.135 1.137 1.135 1.137 1.135 1.135 1.137 1.135 1.137 1.135 1.136 1.136 1.137 1.137 1.137 1.137 1.138	Λ= .004 -002 -004 .005 .000 .006 .078 .125 .146 .150 .154 .139 .119 .129 .134 .134 .144 .145 .146 .132 -087 -106 -1128 -140 -108 .042 .054 .042 .035	75° .010 .008 .008 .007 .021 .154 .183 .186 .175 .151 .143 .145 .149 .151 .152 .151 .152 .151 .152 .155 .159 .143 .143 .149 .155 .150 .143 .149 .1065 .1065 .1067 .0067 .0067 .0067 .0070	.005 .006 .000 .003 .006 .181 .225 .214 .196 .181 .179 .174 .172 .161 .156 .155 .155 .147 .134	.088 .083 .084 .084 .081 .080 .080 .077 .080 .072 .075 .082 .091 .099 .105 .103 .228 .218 .218 .218 .218 .218 .218 .218	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195
-6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -2.750 -2.250 -2.000 -1.750 -1.500 -1.250	010 0010 0008 0007 0014 0046 0097 1110 1122 1210 0084 103 1011 0099 1114 117 1142 1136 1137 -1143 -1149 -1107 -0052 -0051 -0047 -0053 -0047 -0053 -0047	.000 -001 -003 -002 -000 -007 -107 -120 -126 -126 -126 -126 -126 -126 -126 -126	.000 -004 -003 -003 -002 -002 -001 -129 -139 -141 -135 -121 -116 -124 -125 -132 -137 -135 -132 -137 -138 -058 -058 -058 -058 -038 -037	A= .004 .005 .000 .006 .078 .125 .146 .156 .150 .151 .147 .146 .132 .148 .149 .149 .140 .140 .140 .140 .140 .140 .140 .140	75° .010 .010 .008 .007 .0021 .154 .183 .186 .175 .165 .151 .143 .145 .149 .151 .152 .151 .152 .151 .152 .151 .152 .151 .155 .150 .143 .139	.005 .006 .000 .003 .006 .181 .225 .214 .196 .189 .181 .179 .174 .172 .162 .155 .155 .155 .155 .147 .134	.088 .083 .084 .084 .081 .080 .079 .080 .072 .071 .075 .082 .091 .099 .103 .103 .228 .228 .228 .234 .133 .002 .009 .002	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195
-6.000 -5.500 -5.500 -5.500 -4.000 -4.500 -4.000 -3.500 -2.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -3.750 -1.250	***O10 ***O10 ***O10 ***O10 ***O10 ***O10 ***O10 ***O110 ***O1	.000 -001 -003 -002 -000 -009 -007 -107 -120 -126 -126 -126 -126 -126 -127 -147 -158 -144 -083 -035 -035 -035 -050 -045	.000 -004 -003 -003 -002 -002 -001 -101 -129 -139 -141 -135 -129 -116 -125 -132 -134 -135 -135 -137 -135 -137 -135 -137 -135 -135 -136 -008 -008 -008 -008 -008 -008 -008 -00	Λ= .004 -002 -0004 .005 .000 .006 .078 .125 .156 .150 .154 .139 .119 .129 .134 .134 .144 .145 .145 .146 .132 -087 -106 -108 .040 .054 .040 .040 .040 .040 .040 .040	75° .010 .008 .008 .007 .021 .154 .183 .186 .175 .151 .143 .145 .149 .151 .152 .151 .152 .151 .152 .155 .159 .143 .143 .149 .155 .159 .165 .175 .175 .175 .175 .175 .175 .175 .17	.005 .006 .000 .003 .006 .181 .225 .214 .196 .181 .179 .174 .172 .162 .161 .156 .155 .152 .147 .134	.088 .083 .084 .084 .081 .080 .080 .077 .080 .072 .075 .082 .091 .099 .105 .103 .228 .218 .218 .218 .218 .218 .218 .218	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195
-6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.250 -2.000 -1.750 -1.500 -1.250 -1	***O10 ***O10 ***O10 ***O10 ***O10 ***O10 ***O10 ***O10 ***O10 ***O110	.000 -001 -003 -002 -000 -007 -107 -120 -126 -126 -126 -126 -127 -115 -109 -126 -125 -143 -126 -127 -147 -158 -144 -003 -005 -005 -005 -005 -005 -005 -005	.000 -004 -003 -003 -002 -002 -001 -101 -129 -139 -114 -135 -121 -121 -122 -134 -135 -122 -134 -137 -137 -138 -066 -038 -038 -038 -038 -038 -038 -037 -025 -037 -021	A= .004 .005 .000 .006 .078 .125 .146 .156 .150 .151 .146 .132 .146 .145 .146 .145 .146 .149 .149 .140 .140 .140 .140 .140 .140 .140 .140	75° .010 .010 .008 .007 .021 .154 .183 .186 .175 .165 .151 .143 .145 .145 .145 .145 .151 .151 .152 .151 .153 .153 .151 .155 .150 .100 .100 .000 .000 .000	.005 .006 .000 .003 .006 .181 .225 .214 .196 .189 .181 .179 .174 .172 .162 .161 .155 .152 .147 .134	.088 .083 .084 .084 .081 .080 .080 .077 .080 .072 .075 .082 .091 .099 .105 .103 .228 .218 .218 .218 .218 .218 .218 .218	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.250 -2.000 -1.750 -1.250 -1	010 0010 0010 0008 0007 0046 0097 1110 1120 1121 1120 0084 101 103 101 103 101 103 1117 1142 1136 1132 -1143 -1149 -1047 -1052 -1047 -0051 -0053 -0056 -0056 -0056	.000 -001 -003 -002 -000 -009 -007 -107 -120 -126 -126 -126 -126 -126 -126 -127 -117 -147 -158 -144 -083 -037 -050 -055 -055 -055 -055 -055 -055 -065	.000 -004 -003 -003 -002 -002 -002 -001 -129 -139 -141 -135 -129 -121 -125 -128 -132 -134 -135 -137 -135 -137 -135 -137 -135 -137 -137 -137 -137 -138 -066 -058 -058 -058 -058 -058 -058 -058 -058	A= .004 -002 -006 .005 .006 .078 .125 .146 .150 .154 .139 .119 .119 .129 .134 .144 .145 .146 .122 -087 -106 .005 .005 .006 .006 .006 .007 .007 .007 .007 .007	75° .010 .010 .008 .007 .007 .021 .154 .183 .186 .175 .165 .151 .151 .151 .152 .151 .155 .150 .143 .143 .149 .151 .152 .151 .155 .150 .143 .139	.005 .006 .000 .003 .006 .181 .225 .214 .196 .181 .172 .161 .172 .162 .161 .155 .155 .152 .147 .134	.088 .083 .084 .084 .081 .080 .080 .077 .080 .072 .075 .082 .091 .099 .105 .103 .228 .218 .218 .218 .218 .218 .218 .218	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195
-6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.250 -2.000 -1.750 -1.500 -1.250 -1	***O10 ***O10 ***O10 ***O10 ***O10 ***O10 ***O10 ***O10 ***O10 ***O110	.000 -001 -003 -002 -000 -007 -107 -120 -126 -126 -126 -126 -127 -115 -109 -126 -125 -143 -126 -127 -147 -158 -144 -003 -005 -005 -005 -005 -005 -005 -005	.000 -004 -003 -003 -002 -002 -001 -101 -129 -139 -114 -135 -121 -121 -122 -134 -135 -122 -134 -137 -137 -138 -066 -038 -038 -038 -038 -038 -038 -037 -025 -037 -021	A= .004 .005 .000 .006 .078 .125 .146 .156 .150 .151 .146 .132 .146 .145 .146 .145 .146 .149 .149 .140 .140 .140 .140 .140 .140 .140 .140	75° .010 .010 .008 .007 .021 .154 .183 .186 .175 .165 .151 .143 .145 .145 .145 .145 .151 .151 .152 .151 .153 .153 .150 .1050	.005 .006 .000 .003 .006 .181 .225 .214 .196 .189 .181 .179 .174 .172 .162 .161 .155 .152 .147 .134	.088 .083 .084 .084 .081 .080 .080 .077 .080 .072 .075 .082 .091 .099 .105 .103 .228 .218 .218 .218 .218 .218 .218 .218	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21	127 125 117 106 084 -280 -134 -212 -288 -345 101 106 106 106 095 -218 -195

Table 15 Continued
Plate and Spoiler Pressure Coefficients

Configuration 8 M= 1.61 R= 0.30 × 106

				Plate				Spoiler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.
,				Λ= -1	5 0			
					205	104		1 .50
-6.000 -5.500	004	•002 ••005	•001	•189 •287	·285 ·295	•196 •195		2 .44
-5.000	.026	•049	• 257	•311	• 305	•186		3 443
-4.500	•261	•277	•319	•340	•319	•177		4 .45
-4.000	•326	•331	• 345	.348	•332	•190	• 347	5 .51
-3.500	•347	• 352	•359	•358	• 345	.231	•361	6 .60
	•358	•361	• 365	•374	•352	•275	•364	7 .40
-3.000	.360	•373	•374	.375	•350	•291	• 366	834
-2.750	*361	•369	•378	.378	•344	•308	•368	934
-2.500			•378	•376	•337	•321	•363	1034
-2.250	•378	• 374		•368	•330	•340	•358	1134
-2.000	•368	• 372	•381		•330	•362	•351	12 • 45
-1.750	•373	•378	• 376	•364	•336	•384	•341	13 .39
-1.500	•372	•371 •362	• 365 • 350	.336	•350	•415	.324	14 .37
-1.250	•352 •347	•346	• 344	• 340	•372	.452	•312	15 040
-1.000		•334	•350	• 365	•405	•493	•308	16 .44
750	•333 •347		• 363	.386	•429	•514	•312	17 •50
625		• 350		•411	•463	•537	•326	18 •56
500	•365	• 357	• 386 • 423	• 447	•498	•555	.353	1935
375	•391	•402				•566	.408	2036
250	• 449	• 452	• 470	•505	•547	*200	.498	2135
125	•542	553	• 560	•557	•573 •562	•557	.500	22 35
•000	ø554	•553	•555	.357	• 362	. 551	.,,,,	
•250	-,343	343	334	334			358	
•375	338	346	339	337	332		362	
.500	-,346	345	344	339	334		367	
.750	-,348	350	339	340	337	341	364	The second secon
1.000	-,343	322	349	347	341	344	345	
	-,333	338	338	340	342	348	321	
1.250	317	322	326	334	344	349	286	
1.750	-,247	299	308	322	348	348	247	
1.750	-,270	276	265	308	343	349	213	
2.000	240	248	266	287	335	351	181	
2.250			239	269	323		155	7-4 17-11
2.500	-,216	221 197	206	242	309	352	130	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND
2.750	193 174	172	186	-,218	288	352	112	
3.000			134		244	351	*	
3.500	-,135	135	100	162 117	211	342		
4.000	102	099			177	331		
4.500	084	073	071	088		314		ALCOHOL: NAME OF THE OWNER, THE O
5.000	-,064	057	048	067 057	136 111	292		
5.500	-,058	041	035	039	030	273		
6.000	042	028		037	.030			
				Λ= -3	0	EL INS	Marie Marie	
-6.000	-,002	•016	•231	.261	•235	•125		1 • 35
-5.500	•068	•209	• 274	•279	•234	•126		
	•269	• 286	•294	•271	•234	•128		
-5.000		•307	•302	•281	•239	•142		
-5.000	•317	•316	•299	•271	•247	•172	•339	5 • 31
	•317 •330	. 510	•297	.280	•254	•200	•353	6 38
-5.000 -4.500 -4.000	•317 •330	•314	0 6 7 1		•259	•217	•361	7 • 20
-5.000 -4.500 -4.000 -3.500	•317	•314	•296	•282			- 255	828
-5.000 -4.500 -4.000 -3.500 -3.000	•317 •330 •328	•314		•279	•259	•221	•355	
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750	*317 *330 *328 *316 *321	•314 •308 •316	•296	•279 •276	•254	•225	•345	9 28
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500	*317 *330 *328 *316 *321 *314	•314 •308 •316 •305	•296 •295 •294	•279 •276 •269		•225 •226	•345 •319	10 -•28
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250	.317 .330 .328 .316 .321 .314	•314 •308 •316 •305 •297	•296 •295 •294 •287	•279 •276 •269	•254	•225	•345 •319 •286	10 -•28 11 -•26
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000	.317 .330 .328 .316 .321 .314 .314	•314 •308 •316 •305 •297 •285	• 296 • 295 • 294 • 287 • 277	•279 •276	•254 •246	•225 •226 •228 •235	•345 •319 •286 •247	10 -•28 11 -•26 12 •63
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250 -2.250 -1.750	.317 .330 .328 .316 .321 .314 .314 .290	•314 •308 •316 •305 •297 •285 •275	•296 •295 •294 •287 •277 •261	•279 •276 •269 •259 •251	•254 •246 •239	•225 •226 •228	•345 •319 •286 •247 •219	10 28 11 26 12 63 13 54
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000 -1.750	.317 .330 .328 .316 .321 .314 .314 .290 .274	•314 •308 •316 •305 •297 •285 •275 •248	• 296 • 295 • 294 • 287 • 277 • 261 • 241	.279 .276 .269 .259 .251	•254 •246 •239 •229	•225 •226 •228 •235	•345 •319 •286 •247	1028 1126 12 -63 13 -54 14 -45
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.500 -2.500 -1.500 -1.500 -1.250	.317 .330 .328 .316 .321 .314 .290 .274 .250	• 314 • 308 • 316 • 305 • 297 • 285 • 275 • 248 • 229	•296 •295 •294 •287 •277 •261 •241 •223	.279 .276 .269 .259 .251 .234	•254 •246 •239 •229 •220	.225 .226 .228 .235 .245 .263	.345 .319 .286 .247 .219 .204	1028 1126 12 -63 13 -54 14 -45 15 -48
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250 -1.750 -1.250 -1.250	.317 .330 .328 .316 .321 .314 .314 .290 .274 .250 .214	• 314 • 308 • 316 • 305 • 297 • 285 • 275 • 248 • 229 • 208	• 296 • 295 • 294 • 287 • 277 • 261 • 241 • 223 • 214	.279 .276 .269 .259 .251 .234 .218	.254 .246 .239 .229 .220 .218	.225 .226 .228 .235 .245 .263	.345 .319 .286 .247 .219	1028 1126 12 -633 13 -54 14 -45 15 -48 16 -60
-5.000 -4.000 -3.500 -3.000 -2.750 -2.500 -1.750 -1.500 -1.500 -1.500 -1.500 -1.750	*317 *330 *328 *316 *321 *314 *314 *290 *274 *250 *211	• 314 • 308 • 316 • 305 • 297 • 285 • 275 • 248 • 229 • 208 • 196	.296 .295 .294 .287 .277 .261 .241 .223 .214	.279 .276 .269 .259 .251 .234 .218 .210	•254 •246 •239 •229 •220 •218	• 225 • 226 • 228 • 235 • 245 • 263	.345 .319 .286 .247 .219 .204	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78
-5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.500 -1.750 -1.500 -1.250 -1.000 -750 -625	*317 *330 *328 *316 *321 *314 *290 *274 *250 *214 *201 *89	.314 .308 .316 .305 .297 .285 .275 .248 .229 .208 .196	• 296 • 295 • 294 • 287 • 277 • 261 • 241 • 223 • 214 • 207 • 212	• 279 • 276 • 269 • 259 • 251 • 234 • 218 • 210 • 217 • 227	.254 .246 .239 .229 .220 .218 .224	.225 .226 .228 .235 .245 .263 .293	.345 .319 .286 .247 .219 .204 .200 .210 .239	1028 1126 1236 13 -54 14 -45 15 -48 16 -60 17 -78
-5.000 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.750 -1.500 -750 -625 -500	*317 *330 *328 *316 *321 *314 *314 *290 *274 *250 *214 *201 *320 *321 *321 *331 *331 *331 *331 *331 *331	• 314 • 308 • 316 • 305 • 297 • 285 • 275 • 248 • 229 • 208 • 196 • 193 • 201	.296 .295 .294 .287 .277 .261 .241 .223 .214 .207 .212	.279 .276 .269 .259 .251 .234 .218 .210 .217 .227	254 246 239 229 220 218 224 243 263	. 225 . 226 . 228 . 235 . 245 . 263 . 293 . 330 . 360	.345 .319 .286 .247 .219 .204 .200 .210	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -62 1942
-5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.500 -1.750 -1.500 -1.250 -1.500 -750 -1.500 -750 -3.75	*317 *330 *328 *316 *321 *314 *314 *290 *274 *250 *214 *201 *217 *221	.314 .308 .316 .305 .297 .285 .275 .248 .229 .208 .196 .193 .201	• 296 • 295 • 294 • 287 • 277 • 261 • 241 • 223 • 214 • 207 • 212 • 223 • 264	.279 .276 .269 .259 .251 .234 .218 .210 .217 .227 .248 .290	.254 .246 .239 .229 .220 .218 .224 .243 .263 .294	. 225 . 226 . 228 . 235 . 245 . 263 . 293 . 330 . 3360 . 378	.345 .319 .286 .247 .219 .204 .200 .210 .239	1028 1126 1236 13 -54 14 -45 15 -48 16 -60 17 -78 18 -62 1942 2042
-5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.550 -2.250 -2.000 -1.500 -1.500 -1.500 -1.500 -3.750 -6.25 -5.000	*317 *330 *328 *316 *321 *314 *314 *290 *274 *250 *214 *200 *217 *339 *300	• 314 • 308 • 316 • 305 • 297 • 285 • 275 • 248 • 229 • 208 • 196 • 193 • 201	.296 .295 .294 .287 .277 .261 .241 .223 .214 .207 .212 .223 .264 .316	.279 .276 .269 .259 .251 .234 .218 .210 .217 .227	.254 .246 .239 .229 .220 .218 .224 .243 .263 .294 .342	. 225 . 226 . 228 . 235 . 245 . 263 . 293 . 330 . 360	.345 .319 .286 .247 .219 .204 .200 .210 .239 .297	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -1.250 -1.250 -1.250	*317 *330 *328 *316 *321 *314 *314 *290 *274 *250 *211 *319 *320 *321 *330 *330 *330 *330 *330 *330 *330 *33	•314 •308 •316 •305 •297 •285 •275 •248 •229 •196 •193 •201 •244 •300	. 296 . 295 . 294 . 287 . 277 . 261 . 241 . 223 . 214 . 207 . 212 . 223 . 264 . 316 . 406	. 279 . 276 . 269 . 259 . 251 . 234 . 218 . 210 . 217 . 227 . 248 . 290 . 355	.254 .246 .239 .229 .220 .218 .224 .243 .263 .294	. 225 . 226 . 228 . 235 . 245 . 263 . 293 . 330 . 3360 . 378	.345 .319 .286 .247 .219 .204 .200 .210 .239 .297 .403	1028 1126 12 -53 13 -54 14 -45 15 -48 16 -60 17 -78 18 -62 1942 2042
-5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.550 -2.250 -2.000 -1.500 -1.500 -1.500 -1.500 -3.750 -6.25 -5.000	*317 *330 *328 *316 *321 *314 *314 *290 *274 *250 *214 *200 *217 *339 *300	.314 .308 .316 .305 .297 .285 .275 .248 .229 .208 .196 .193 .201	. 296 . 295 . 294 . 287 . 277 . 261 . 223 . 214 . 207 . 212 . 223 . 264 . 316 . 406	.279 .276 .269 .259 .251 .234 .218 .210 .217 .227 .248 .290 .355	.254 .246 .239 .229 .220 .218 .224 .243 .263 .294 .342 .392	. 225 . 226 . 228 . 235 . 245 . 263 . 293 . 336 . 378 . 404	.345 .319 .286 .247 .219 .204 .200 .210 .239 .297 .403 .560 .687	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.550 -2.550 -1.750 -1.500 -1.750 -625 -500 -375 -250 -1.25	*317 *330 *328 *316 *321 *314 *314 *290 *274 *250 *211 *319 *320 *321 *330 *330 *330 *330 *330 *330 *330 *33	•314 •308 •316 •305 •297 •285 •275 •248 •229 •196 •193 •201 •244 •300	.296 .295 .294 .287 .277 .261 .223 .214 .207 .212 .223 .264 .316 .406	.279 .276 .269 .259 .251 .234 .218 .210 .217 .227 .248 .290 .355	254 246 239 229 220 218 224 224 263 294 342 392 413 404	. 225 . 226 . 228 . 235 . 245 . 263 . 293 . 336 . 378 . 404	.345 .319 .286 .247 .219 .200 .210 .239 .297 .403 .560 .687	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.550 -2.250 -2.250 -1.750 -1.250	317 330 328 316 321 314 314 290 274 250 211 201 189 200 217 239 300 398 400	*314 308 316 305 297 285 275 248 229 208 196 193 201 244 300	. 296 . 295 . 294 . 287 . 277 . 261 . 223 . 214 . 207 . 212 . 223 . 264 . 316 . 406	.279 .276 .269 .259 .251 .234 .218 .210 .217 .227 .248 .290 .355	254 239 229 220 218 224 243 263 294 342 392 413 404	. 225 . 226 . 228 . 235 . 245 . 263 . 293 . 336 . 378 . 404	, 345 , 319 , 286 , 247 , 219 , 204 , 200 , 210 , 239 , 297 , 403 , 560 , 687 , 656	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.250 -2.250 -1.750 -1.250 -1.750 -1.250	*317 *330 *328 *316 *321 *314 *314 *290 *277 *250 *214 *201 *189 *200 *217 *239 *300 *398 *400	314 308 316 305 297 285 275 248 229 208 196 193 201 244 300	.296 .295 .294 .287 .277 .261 .223 .214 .207 .212 .223 .264 .316 .406	.279 .276 .269 .259 .251 .234 .218 .210 .217 .227 .248 .290 .355	254 229 229 220 218 224 224 224 224 239 263 294 413 404	. 225 . 226 . 228 . 235 . 245 . 263 . 293 . 330 . 360 . 378 . 404 . 410	345 319 286 247 219 204 200 210 239 297 403 560 687 656	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.250 -2.250 -1.750 -1.250 -1.750 -1.250	*317 *330 *328 *316 *321 *314 *314 *290 *277 *250 *214 *201 *189 *200 *217 *239 *300 *398 *400	*314 308 316 305 297 285 275 288 229 208 196 193 201 244 300	. 296 . 295 . 294 . 287 . 277 . 261 . 223 . 214 . 207 . 212 . 223 . 264 . 406 . 406	.279 .276 .269 .259 .251 .234 .218 .210 .217 .227 .248 .290 .355 .404	254 226 239 229 220 218 224 243 263 294 342 392 413 404	· 225 · 226 · 228 · 235 · 245 · 263 · 293 · 330 · 378 · 404 · 410 · 404	345 319 286 247 229 204 200 210 239 297 403 560 687 656	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.500 -1.500 -1.500 -3.75 -5.00 -3.75 -1.25 -0.000 -3.75 -1.25 -0.000 -3.75 -1.250 -1.500 -3.75 -1.250 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75	317 330 328 316 321 314 314 314 314 314 319 220 211 189 200 217 239 300 398 400 	314 308 316 305 297 285 275 248 229 208 196 193 201 244 300 400	. 296 . 295 . 294 . 287 . 277 . 261 . 241 . 223 . 214 . 207 . 212 . 223 . 264 . 316 . 406 . 406 286 295 301 313	.279 .276 .269 .259 .251 .234 .218 .210 .217 .227 .248 .290 .355 .404	254 229 229 220 218 224 224 224 224 239 263 294 413 404	. 225 . 226 . 228 . 235 . 245 . 263 . 293 . 330 . 360 . 378 . 404 . 410	345 319 286 247 219 204 200 210 239 297 403 560 687 656	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.5500 -2.5500 -1.5500 -1.5500 -1.5500 -1.5500 -3.750	*317 *330 *328 *316 *321 *314 *314 *290 *274 *250 *211 *300 *217 *299 *300 *398 *400 *400 *312 *304 *312 *305	314 308 316 305 297 285 275 248 229 208 196 193 201 244 300 400	. 296 . 295 . 294 . 287 . 277 . 261 . 241 . 223 . 214 . 207 . 212 . 223 . 264 . 316 . 406 . 406 286 295 313 313 326	.279 .276 .269 .259 .251 .218 .210 .217 .227 .248 .290 .355 .404 .282 .293 .301 .313 .329	254 226 239 229 220 218 224 243 263 294 342 392 413 404	- 225 - 226 - 228 - 235 - 245 - 263 - 330 - 378 - 404 - 410 284 296 319	345 319 286 247 229 200 210 229 297 403 560 887 656 -434 -431 -430 -335	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.550 -2.550 -2.550 -1.500 -1.750 -1.500 -1.750 -1.500 -1.250 -1.500 -1.250 -1.500 -1.250 -1.500	317 330 328 316 321 314 314 314 314 290 274 250 211 200 217 239 300 398 400 	314 308 316 305 297 285 275 248 229 208 196 193 201 244 300 400	.296 .295 .294 .287 .277 .261 .223 .214 .207 .212 .223 .264 .316 .406 .406 .295 .313 .313 .326 .313	.279 .276 .269 .259 .251 .218 .210 .217 .227 .248 .290 .355 .404 .282 .293 .301 .313 .329	254 2246 239 229 220 218 224 224 224 224 243 263 294 342 342 404	- 225 - 226 - 228 - 235 - 245 - 245 - 243 - 330 - 336 - 404 - 410 - 404	345 319 226 247 219 204 200 210 239 297 403 560 687 656 -434 -431 -437 -430 -381 -335 -305	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.000 -3.500 -3.500 -3.500 -2.5500 -2.5500 -1.750 -1.2500 -1.7500 -1.5000 -3.750 -3.7	*317 *330 *328 *316 *321 *314 *314 *290 *274 *250 *211 *300 *217 *300 *398 *400 *400 *400 *500 *600	*314 308 3316 305 297 285 275 248 229 208 196 193 201 244 300 *400 **295 304 -305 -318 -295 -318 -295 -318 -295 -318 -318 -295	. 296 . 295 . 294 . 287 . 277 . 261 . 241 . 223 . 214 . 207 . 212 . 223 . 264 . 316 . 406 . 406 286 295 301 313 326 312 326 312 326 32	. 279 . 276 . 269 . 259 . 251 . 234 . 218 . 210 . 217 . 227 . 248 . 290 . 355 . 404 . 282 . 293 . 301 . 313 . 329 . 335 . 318	254 229 229 220 218 224 224 223 294 342 392 413 404	- 225 - 226 - 228 - 235 - 245 - 263 - 330 - 378 - 404 - 410 284 296 319	345 319 286 247 229 200 210 229 297 403 560 887 656 -434 -431 -430 -335	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.250 -2.250 -1.500	317 330 328 31b 321 3114 314 314 314 314 314 316 220 217 220 2217 239 300 338 400 	*314 308 315 305 207 227 285 229 208 196 193 201 244 300 400 -295 -305 -318 -299 -201 -240 -305 -310 -3	.296 .295 .294 .287 .277 .261 .223 .214 .207 .212 .223 .264 .316 .406 .406 .295 .301 .313 .326 .312 .312 .292	.279 .276 .269 .259 .251 .234 .218 .210 .217 .227 .248 .290 .355 .404 .282 .293 .301 .313 .329 .335 .335	254 226 239 229 220 218 224 224 224 224 243 263 294 404 404	- 225 - 226 - 228 - 235 - 245 - 263 - 330 - 378 - 404 - 410 - 404	345 319 286 247 219 200 210 239 297 403 560 687 656 -434 -431 -437 -430 -335 -305 -279	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.5500 -2.5500 -2.5500 -1.5500 -1.5500 -1.5500 -3.750 -3.	317 330 328 316 321 314 314 290 274 250 211 189 200 217 239 300 398 400 	*314 308 316 305 297 285 275 248 229 208 196 193 201 244 300 400 *****************************	. 296 . 295 . 294 . 287 . 277 . 261 . 241 . 223 . 214 . 207 . 212 . 223 . 264 . 316 . 406 . 406 . 295 . 301 . 312 . 316 . 312 . 316 . 301 . 301	.279 .276 .269 .259 .251 .234 .218 .210 .217 .227 .248 .290 .355 .404 .282 .293 .301 .313 .329 .329 .3318 .333 .2200	254 229 229 220 218 224 224 224 223 294 342 392 413 404	- 225 - 226 - 228 - 235 - 245 - 245 - 245 - 330 - 378 - 404 - 410 - 404	345 319 226 227 229 200 210 229 403 550 687 656 -434 -431 -335 -305 -279 -258	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -3.750 -625 -3.750 -1.250	317 330 328 314 314 314 314 314 314 314 314	*314 308 315 305 207 225 2275 248 229 208 196 193 201 244 300 400 	. 296 . 295 . 294 . 287 . 277 . 261 . 223 . 214 . 207 . 212 . 223 . 224 . 316 . 406 . 406 . 406 . 406 . 301 . 312 . 312 . 295 . 301 . 312 . 295 . 301 . 312 . 295 . 312 . 295 . 312 . 312	.279 .276 .269 .259 .251 .214 .218 .210 .217 .227 .248 .290 .3355 .404282293301313329325318303254	254 229 229 220 218 224 224 224 224 326 329 413 404 -283 -290 -301 -319 -334 -350 -359	- 225 - 226 - 228 - 235 - 245 - 263 - 330 - 336 - 404 - 410 - 404 284 284 319 334 340 353 386	345 319 286 247 219 204 200 210 239 297 403 550 687 656	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.000 -3.500 -3.500 -3.500 -2.550 -2.550 -1.550 -1.550 -1.550 -1.550 -1.250	317 330 328 316 321 314 314 314 314 316 327 250 214 201 189 200 217 239 300 398 400 	**314 **308 **316 **305 **297 **285 **275 **248 **229 **208 **193 **201 **244 **300 **400 **400 **400 **295 **304 **305 **318 **298 **301 **271 **240 **301 **271 **240 **301 **208 **318	. 296 . 295 . 294 . 287 . 217 . 261 . 241 . 223 . 214 . 207 . 212 . 223 . 264 . 316 . 406 . 406 . 406 . 295 . 301 . 312 . 316 . 295 . 301 . 316 . 317 . 326 . 317 . 326 . 317 . 327 . 327	.279 .276 .269 .259 .251 .234 .218 .210 .217 .227 .248 .290 .355 .404 .282 .293 .301 .319 .329 .329 .3318 .303 .2200 .254	254 229 229 220 218 224 224 224 224 243 263 294 1342 392 413 404	- 225 - 226 - 228 - 235 - 245 - 243 - 330 - 378 - 404 - 410 - 404 - 296 - 319 - 334 - 340 - 353 - 386 - 378 - 404	345 319 286 2247 219 204 200 210 239 297 403 560 687 656 -434 -431 -335 -305 -279 228 -228 -225	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500	.317 .330 .328 .316 .321 .314 .290 .274 .250 .214 .201 .189 .200 .217 .239 .300 .338 .400 .292 .295 .304 .312 .305 .295 .216 .317 .317 .317 .317 .317 .317 .317 .317	314 308 315 307 308 316 307 297 295 248 229 208 196 193 201 244 300 400	. 296 . 295 . 294 . 287 . 277 . 261 . 223 . 214 . 207 . 212 . 223 . 264 . 316 . 406 . 406 . 406 286 295 301 312 312 281 281 281 312 31	.279 .276 .269 .259 .251 .234 .218 .210 .217 .227 .248 .290 .335 .404282299 .301313 .329325318303254220194	254 229 229 220 218 224 224 224 243 263 294 342 392 413 404	- 225 - 226 - 228 - 235 - 245 - 263 - 330 - 336 - 404 - 410 - 404 284 284 319 334 340 383 384 - 384 -	345 319 226 247 219 204 200 210 239 297 403 560 687 656 -434 -431 -437 -430 -335 -305 -279 -288 -235 -205 -174	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -3.75 -500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.50 -1.500 -3.75 -2.50 -1.750 -3.75 -3	317 330 328 316 321 314 314 314 314 314 319 220 211 250 211 200 217 239 300 398 400 -292 -295 -304 -312 -305 -273 -198 -217 -155 -121	314 308 316 308 316 307 297 285 275 248 229 208 196 193 201 244 300 400 400 -295 -304 -305 -318 -298 -301 -271 -240 -208 -183 -188 -188 -188 -188 -188 -188 -18	. 296 . 295 . 294 . 287 . 217 . 261 . 241 . 223 . 214 . 207 . 212 . 223 . 264 . 316 . 406 . 406 . 406 . 295 . 301 . 312 . 295 . 301 . 312 . 292 . 207 . 312 . 207 . 301 . 312 . 207 . 301 . 301	. 279 . 276 . 269 . 259 . 251 . 234 . 218 . 210 . 217 . 227 . 248 . 290 . 355 . 404 . 282 . 293 . 301 . 313 . 329 . 308 . 325 . 318 . 303 . 280 . 254 . 220 . 194 . 181	224 229 229 220 218 224 224 243 263 294 1342 1392 1413 404	- 225 - 226 - 228 - 235 - 245 - 243 - 330 - 350 - 404 - 410 - 404 - 296 - 319 - 334 - 340 - 353 - 386 - 383 - 383	345 319 286 2247 219 204 200 210 239 297 403 560 687 656 -434 -431 -335 -305 -279 228 -228 -225	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500	*317 *330 *328 *316 *321 *314 *314 *290 *274 *250 *211 *189 *200 *217 *259 *300 *217 *259 *300 *217 *259 *300 *217 *259 *300 *217 *259 *300 *217 *259 *300 *217 *259 *301 *277 *305 *295 *273 *305 *295 *273 *305 *295 *211 *317 *315 *316 *317 *317 *315 *317 *317 *315 *317 *317 *317 *317 *317 *317 *317 *317	- 314 - 308 - 316 - 305 - 297 - 285 - 249 - 229 - 208 - 196 - 193 - 201 - 244 - 300 - 400 - 295 - 304 - 305 - 318 - 299 - 304 - 305 - 318 - 305 - 271 - 249 - 305 - 318 - 318	. 296 . 295 . 294 . 287 . 277 . 261 . 223 . 214 . 207 . 212 . 223 . 264 . 316 . 406 . 406 286 295 301 312 222 223 225 	.279 .276 .269 .259 .251 .234 .218 .210 .217 .227 .248 .290 .335 .404 -282 -293 .301 -313 -329 -325 -318 -303 -200 -254 -220 -194 -1161	254 229 229 220 218 224 224 224 224 224 329 302 413 404	- 225 - 226 - 228 - 235 - 265 - 263 - 330 - 360 - 378 - 404 - 410 - 404 284 296 319 334 - 340 - 353 383 383 - 389 - 381 - 383 - 389 - 381 - 381 - 383 - 389 - 381 - 381	345 319 226 247 219 204 200 210 239 297 403 560 687 656 -434 -431 -437 -430 -335 -305 -279 -288 -235 -205 -174	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -3.75 -500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.50 -1.500 -3.75 -2.50 -1.750 -3.75 -3	317 330 328 31b 321 3114 3114 314 314 314 290 274 250 211 189 200 217 239 300 398 400 -292 -295 -304 -312 -305 -273 -198 -211 -177 -155 -126 -059	314 308 316 307 318 307 207 208 207 208 209 208 199 201 201 204 300 400 400 -295 -304 -305 -318 -298 -301 -271 -240 -208 -183 -158 -111 -082 -062	.296 .295 .294 .287 .277 .261 .223 .214 .207 .212 .223 .264 .316 .406 .406 .295 .301 .313 .326 .312 .292 .292 .218 .219 .219 .219 .219 .229 .229 .229 .229	. 279 . 276 . 269 . 259 . 251 . 234 . 218 . 210 . 217 . 227 . 248 . 290 . 355 . 404 . 282 . 293 . 301 . 313 . 329 . 325 . 318 . 303 . 280 . 254 . 220 . 194 . 181 . 164 . 153	254 246 239 229 220 218 224 224 224 224 243 2663 294 432 4392 413 404	- 225 - 226 - 228 - 235 - 245 - 243 - 330 - 350 - 404 - 410 - 404 - 296 - 319 - 334 - 340 - 353 - 383 - 383 - 384 - 383 - 384 - 386 - 386	345 319 226 247 219 204 200 210 239 297 403 560 687 656 -434 -431 -437 -430 -335 -305 -279 -288 -235 -205 -174	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -1.750 -1.500 -1.500 -1.500 -3.75 -1.250 -1.	317 330 328 316 321 314 314 290 277 250 214 201 189 200 217 239 300 217 239 300 217 239 300 217 239 300 217 219 110 1177 -155 -126 -121 -036 -059 -044	- 314 - 308 - 316 - 305 - 297 - 285 - 248 - 229 - 208 - 193 - 201 - 244 - 300 - 400 - 295 - 304 - 305 - 318 - 298 - 311 - 240 - 208 - 183 - 211 - 240 - 208 - 211 - 240 - 208 - 211 - 211 - 220 - 221 - 221	. 296 . 295 . 294 . 287 . 277 . 261 . 241 . 223 . 214 . 207 . 212 . 223 . 264 . 316 . 406 . 406 286 295 301 313 286 297 208 121 208 121 208 121 208 121 208 121 208 121 208 121 208 121 208 20	.279 .276 .269 .259 .259 .281 .218 .210 .217 .227 .248 .290 .355 .404 .282 .293 .301 .313 .329 .325 .318 .303 .280 .254 .2164 .181 .153 .002	254 229 229 220 218 224 243 263 294 342 342 340 404	- 225 - 226 - 228 - 235 - 265 - 263 - 330 - 336 - 410 - 404 284 296 319 340 - 353 - 386 - 386 - 319 319 319 - 386 - 386	345 319 226 247 219 204 200 210 239 297 403 560 687 656 -434 -431 -437 -430 -335 -305 -279 -288 -235 -205 -174	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -1.750 -1.500 -1.500 -1.500 -3.75 -1.250 -1.	317 330 328 31b 321 3114 3114 314 314 314 290 274 250 211 189 200 217 239 300 398 400 -292 -295 -304 -312 -305 -273 -198 -211 -177 -155 -126 -059	314 308 316 307 318 307 207 208 207 208 209 208 199 201 201 204 300 400 400 -295 -304 -305 -318 -298 -301 -271 -240 -208 -183 -158 -111 -082 -062	.296 .295 .294 .287 .277 .261 .223 .214 .207 .212 .223 .264 .316 .406 .406 .295 .301 .313 .326 .312 .292 .292 .218 .219 .219 .219 .219 .229 .229 .229 .229	. 279 . 276 . 269 . 259 . 251 . 234 . 218 . 210 . 217 . 248 . 290 . 355 . 404 282 293 313 325 318 303 254 220 153 200 153 200 153 200 153 200	-254 -246 -239 -229 -220 -218 -224 -243 -263 -294 -342 -392 -131 -404 -350 -350 -350 -350 -350 -274 -283 -291 -274 -283 -291 -274 -283 -015	- 225 - 226 - 228 - 235 - 245 - 263 - 330 - 360 - 378 - 404 - 410 - 404 284 296 319 334 - 334 - 353 - 383 - 383 - 383 - 383 - 383 - 384 - 383 - 384 - 387 - 387 - 387 - 387 - 386	345 319 226 247 219 204 200 210 239 297 403 560 687 656 -434 -431 -437 -430 -335 -305 -279 -288 -235 -205 -174	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.250 -2.250 -2.250 -1.750 -1.250 -1	317 330 328 316 321 314 314 290 277 250 214 201 189 200 217 239 300 217 239 300 217 239 300 217 239 300 217 219 110 1177 -155 -126 -121 -036 -059 -044	- 314 - 308 - 316 - 305 - 297 - 285 - 248 - 229 - 208 - 193 - 201 - 244 - 300 - 400 - 295 - 304 - 305 - 318 - 298 - 311 - 240 - 208 - 318 - 298 - 318 - 298 - 318 - 318 - 298 - 318 - 318	. 296 . 295 . 294 . 287 . 277 . 261 . 241 . 223 . 214 . 207 . 212 . 223 . 264 . 316 . 406 . 406 286 295 301 313 286 297 208 121 208 121 208 121 208 121 208 121 208 121 208 121 208 121 208 20	.279 .276 .269 .259 .259 .281 .218 .210 .217 .227 .248 .290 .355 .404 .282 .293 .301 .313 .329 .325 .318 .303 .280 .254 .2164 .181 .153 .002	254 229 229 220 218 224 243 263 294 342 342 340 404	- 225 - 226 - 228 - 235 - 265 - 263 - 330 - 336 - 410 - 404 284 296 319 340 - 353 - 386 - 386 - 319 319 319 - 386 - 386	345 319 226 247 219 204 200 210 239 297 403 560 687 656 -434 -431 -437 -430 -335 -305 -279 -288 -235 -205 -174	1028 1126 12 -63 13 -54 14 -45 15 -48 16 -60 17 -78 18 -82 1942 2042 2142

Table 15 Continued
Plate and Spoiler Pressure Coefficients Configuration 8 M= 1.61 R \approx 0.30 \times 106

	-		90000	Plate	HALL THE	7417	in the state of the state of	Spo	iler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	74 - 14 -
				Λ= -	45 °	Total Park		61 Bets	
-6.000	.001	•076	• 246	•262	•220	•070		1	• 367
-5.500	•047	•222	• 267	• 266	•229	•051		2	• 346
-5.000 -4.500	•234	•271	• 278	• 262	•238	•032		3	.314
-4.000	297	• 283 • 290	• 282	•274	•241	•039	25.	4	•302
-3.500	•298	• 283	•276 •281	•274	•239	•077	• 254	5	• 334
-3.000	•293	• 285	•271	• 240	•219 •182	•114 •117	•314 •326	6 7	• 403
-2.750	•291	• 290	• 263	•225	.169	•125	•327	8	•173 -•238
-2.500	•278	• 268	•244	.203	•159	•130	•323	9	254
-2.250	• 264	• 247	•220	•175	•139	+139	•301	10	246
-2.000	•228	•216	•197	•155	•127	+151	• 265	11	238
-1.750 -1.500	•198 •163	•181 •149	•170 •141	•151	•129	•174	•219	12	.666
-1.250	•126	•134	•122	•137 •129	•147 •167	• 206	•190 •179	13	•663
-1.000	•136	•134	•131	0144	•199	•254 •293	196	14	•666
750	•159	•154	•168	•183	•241	•322	•277	16	•695
625	•188	•179	•198	.220	•278	•345	•369	17	.726
500	•226	•219	•235	•271	•322	•359	• 479	18	• 595
375	•286	•278	•310	• 327	•355	4366	•587	19	449
250 125	•342	•340	• 345	• 365	•379	•372	.654	20	453
•000	• 389 • 384	•383	•385 •392	•388	•381	•390	•673 •662	21 22	445
250	220					100		-	. 420
• 250 • 375	-•229 -•227	241 245	236	241 249	250		- • 453 - • 449		
•500	239	249	255	259	257		- 454	A STATE OF THE STA	
• 750	258	272	277	280	280	284	457		
1.000	282	281	318	312	306	306	443		
1.500	300	335	339	329	336	330	413		
1.750	338 269	370 330	355 303	341	352	359	375		
2.000	285	241	241	352	357 377	-•374 -•381	283 133		
2.250	230	185	338	364	395	407	018		
2.500	167	236	353	374	399	427	.036		
2.750	092	297	333	344	408	416	•049		
3.000	070	257	266	337	402	431	.050		
3.500	018	•046	•002	117	331	-•435		A - IT HT	
4.000	•141	•057 •027	•027	•017	082	410			
5.000	•087	013	•010 •014	•057	•065	252			
5.500	•054	•006	•019	•018	039	142 203			
6.000	•047	•000	•022	007	106	278			
				Λ= -6	0°	100		19 11 11	
-6.000	•005	•019	•146	•199	•205	•027		1	• 330
-5.500	•007	•065	•179	•207	•211	.041		2	.329
-5.000	•039	•142	•198	•209	•212	•058		3	.331
-4.500	•134	•184	•211	•222	•218	•105		4	• 329
-4.000 -3.500	•191	•210	• 221	•218	•214	•126	•007	5	•319
-3.000	•225	•219 •223	•222	•219 •215	•204	•145	•101	6	• 289
-2.750		•229	•224		•161 •141	•178	•211	7 8	
-2.500	•222					•198	0230		159
	•222		•219	• 209			. 240		140
-2.250	•221	•220	•219	•192	•134	•221	• 240	9	140 151
-2.250 -2.000	•221 •229 •207	•220 •217 •201	•219 •206 •181	•192 •160 •134	•134 •139 •159		•237	9	140 151 183
-2.250 -2.000 -1.750	•221 •229 •207 •176	•220 •217 •201 •168	•219 •206 •181 •141	•192 •160 •134 •132	•134 •139 •159 •194	•221		9	140 151 183 242
-2.250 -2.000 -1.750 -1.500	•221 •229 •207 •176 •130	• 220 • 217 • 201 • 168 • 124	•219 •206 •181 •141 •125	•192 •160 •134 •132 •152	•134 •139 •159 •194 •234	• 221 • 244 • 264 • 288 • 300	•237 •240 •214 •151	9 10 11 12 13	140 151 183 242 .423
-2.250 -2.000 -1.750 -1.500 -1.250	•221 •229 •207 •176 •130 •109	• 220 • 217 • 201 • 168 • 124 • 132	•219 •206 •181 •141 •125 •144	•192 •160 •134 •132 •152 •193	•134 •139 •159 •194 •234 •271	• 221 • 244 • 264 • 288 • 300 • 308	• 237 • 240 • 214 • 151 • 132	9 10 11 12 13 14	140 151 183 242 .423 .418
-2.250 -2.000 -1.750 -1.500 -1.250 -1.000	•221 •229 •207 •176 •130 •109 •173	.220 .217 .201 .168 .124 .132	•219 •206 •181 •141 •125 •144 •206	.192 .160 .134 .132 .152 .193	134 139 159 194 234 271	.221 .244 .264 .288 .300 .308	.237 .240 .214 .151 .132	9 10 11 12 13 14 15	140 151 183 242 .423 .418 .419
-2.250 -2.000 -1.750 -1.500 -1.250 -1.000	•221 •229 •207 •176 •130 •109 •173 •259	.220 .217 .201 .168 .124 .132 .180	• 219 • 206 • 181 • 141 • 125 • 144 • 206 • 279	.192 .160 .134 .132 .152 .193 .256	134 139 159 194 234 271 288	.221 .244 .264 .288 .300 .308 .311	.237 .240 .214 .151 .132 .175	9 10 11 12 13 14 15	140 151 183 242 .423 .418 .419 .416
-2.250 -2.000 -1.750 -1.500 -1.250 -1.000	•221 •229 •207 •176 •130 •109 •173	.220 .217 .201 .168 .124 .132 .180 .273	• 219 • 206 • 181 • 141 • 125 • 144 • 206 • 279 • 300	.192 .160 .134 .132 .152 .193 .256 .301	•134 •139 •159 •194 •234 •271 •288 •312	.221 .244 .264 .288 .300 .308 .311 .312	• 237 • 240 • 214 • 151 • 132 • 175 • 326 • 407	9 10 11 12 13 14 15 16	140 151 183 242 .423 .418 .419 .416 .399 .366
-2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750 625 500 375	• 221 • 229 • 207 • 176 • 130 • 109 • 173 • 259 • 299 • 316 • 325	.220 .217 .201 .168 .124 .132 .180 .273 .312 .315	• 219 • 206 • 181 • 141 • 125 • 144 • 206 • 279	.192 .160 .134 .132 .152 .193 .256	134 139 159 194 234 271 288	.221 .244 .264 .288 .300 .308 .311 .312 .314	.237 .240 .214 .151 .132 .175 .326 .407	9 10 11 12 13 14 15 16 17	140 151 183 242 .423 .418 .419 .416 .399 .366 .195
-2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750 625 500 375 250	.221 .229 .207 .176 .130 .109 .173 .259 .299 .316 .325	.220 .217 .201 .168 .124 .132 .180 .273 .312	• 219 • 206 • 181 • 141 • 125 • 144 • 206 • 279 • 300 • 303 • 338 • 322	• 192 • 160 • 134 • 132 • 152 • 193 • 256 • 301 • 313 • 314	134 139 159 194 234 271 288 312 318	.221 .244 .264 .288 .300 .308 .311 .312 .314 .318	.237 .240 .214 .151 .132 .175 .326 .407 .432	9 10 11 12 13 14 15 16 17 18	140 151 183 242 .423 .418 .419 .416 .399 .366 .195
-2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -125	.221 .229 .207 .176 .130 .109 .173 .259 .299 .316 .325 .328	.220 .217 .201 .168 .124 .132 .180 .273 .312 .315 .332 .324	.219 .206 .181 .141 .125 .144 .206 .279 .300 .303 .338 .338	.192 .160 .134 .132 .152 .193 .256 .301 .313 .314 .327	•134 •139 •159 •194 •234 •271 •288 •312 •318 •320 •330 •332 •333	.221 .244 .264 .288 .300 .308 .311 .312 .314 .318 .321	.237 .240 .214 .151 .132 .175 .326 .407 .432 .434 .432	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342
-2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750 625 500 375 250	.221 .229 .207 .176 .130 .109 .173 .259 .299 .316 .325	.220 .217 .201 .168 .124 .132 .180 .273 .312 .315	• 219 • 206 • 181 • 141 • 125 • 144 • 206 • 279 • 300 • 303 • 338 • 322	.192 .160 .134 .132 .152 .193 .256 .301 .313 .314	.134 .139 .159 .194 .234 .271 .288 .312 .318 .320 .330	.221 .244 .264 .288 .300 .308 .311 .312 .314 .318	.237 .240 .214 .151 .132 .175 .326 .407 .432	9 10 11 12 13 14 15 16 17 18 19	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 330
-2.250 -2.000 -1.750 -1.500 -1.500 -1.250 -1.000750625500375250125 .000	.221 .229 .207 .176 .130 .109 .173 .259 .299 .316 .325 .328 .331 .346	*220 *217 *201 *168 *124 *132 *180 *273 *312 *315 *332 *324 *346	*219 *206 *181 *141 *125 *144 *206 *279 *300 *338 *322 *332 *349	*192 *160 *134 *132 *152 *193 *256 *301 *313 *327 *336 *349	*134 *139 *159 *194 *271 *288 *312 *318 *320 *330 *332 *333 *353	.221 .244 .264 .288 .300 .308 .311 .312 .314 .318 .321	.237 .240 .214 .151 .132 .175 .326 .407 .432 .434 .432 .431 .427	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342
-2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -125 -000	.221 .229 .207 .176 .130 .109 .173 .259 .299 .316 .325 .328 .331 .346	*220 *217 *201 *168 *124 *132 *180 *273 *312 *315 *332 *324 *334 *346	*219 *206 *181 *141 *125 *144 *206 *279 *300 *303 *338 *322 *334 *349	192 160 134 132 152 193 256 301 314 327 336 349	*134 *139 *159 *194 *234 *271 *288 *312 *330 *330 *332 *333 *353	.221 .244 .264 .288 .300 .308 .311 .312 .314 .318 .321	. 237 . 240 . 214 . 151 . 132 . 175 . 326 . 407 . 432 . 434 . 432 . 431 . 427	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342
-2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -125 -000	.221 .229 .207 .176 .130 .109 .173 .259 .299 .316 .325 .328 .331 .346	.220 .217 .201 .168 .124 .180 .273 .312 .315 .332 .324	.219 .206 .181 .141 .125 .144 .206 .279 .300 .303 .338 .322 .3349 134 172	*192 *160 *134 *132 *152 *193 *256 *301 *313 *327 *336 *349 **********************************	134 139 1159 1159 1234 271 288 312 3318 320 330 332 333 353	*221 *244 *264 *288 *300 *308 *311 *312 *314 *318 *321 *330	.237 .240 .214 .151 .132 .175 .326 .407 .432 .434 .431 .427 409 417	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342
-2.250 -2.000 -1.750 -1.500 -1.500 -1.250 -1.250 -625 -500 -375 -250 -125 -000	.221 .229 .207 .176 .130 .109 .173 .259 .316 .325 .328 .331 .346	. 220 . 217 . 201 . 168 . 124 . 132 . 180 . 273 . 312 . 315 . 332 . 324 . 346 139 134 158 139 134 158	219 206 181 141 125 144 206 279 303 332 332 332 1349 -1141 -172 -296	192 160 134 132 152 193 256 301 314 327 336 349 -1134 -178	*134 *139 *159 *1294 *271 *288 *312 *318 *320 *332 *333 *353	*221 *244 *264 *308 *308 *311 *312 *314 *318 *321 *330 *349	.237 .240 .214 .151 .132 .175 .326 .407 .432 .434 .432 .431 .427 .409 .417 .409	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342
-2.250 -2.000 -1.750 -1.500 -1.250 -1.250 -1.625500375250125000250375250375250375375375375375375375375375375375375375375375375375375	.221 .229 .207 .176 .130 .109 .173 .259 .316 .325 .328 .331 .346 141 127 156 288 314	.220 .217 .201 .168 .124 .180 .273 .312 .315 .332 .324 .346 139 .134 .158	219 206 1181 1141 1125 1144 206 279 300 3338 322 332 33491341172296	192 160 134 132 152 153 256 301 313 314 327 336 249 -1134 -178 -272 -355	*134 *139 *159 *1294 *224 *228 *312 *318 *320 *330 *332 *333 *353 **-151 **-186 **-241 **-306	*221 *244 *264 *288 *300 *308 *311 *312 *314 *321 *330 *349	.237 .240 .214 .151 .132 .175 .326 .407 .432 .434 .431 .427 -409 -379 -286	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342
-2.250 -2.000 -1.750 -1.500 -1.5500 -1.250 -1.000 -750 -625 -500 -375 -250 -125 000 -250 -375 -500 -375 -500 -375 -500 -375 -500 -375 -500 -375 -500 -375 -500 -375 -500 -375 -500 -375 -500 -3750 -3250 -3250 -3250 -3250 -3250 -3250 -3250 -3250 -3250 -3250 -3250 -3250 -3250 -3250	.221 .229 .207 .176 .130 .109 .173 .259 .259 .316 .325 .328 .331 .346 .141 127 156 .288 318 318	*220 *217 *201 *168 *124 *132 *180 *273 *312 *315 *332 *324 *346 *139 *1138 *158 *300 *321 *321 *321 *321 *321 *321 *321 *322 *324	219 2206 181 141 125 144 206 279 300 303 338 322 3349 -1141 -172 -296 -355 -411	192 160 134 132 152 193 256 301 314 327 336 349 -1154 -272 -355 -405	134 139 1159 1234 271 288 312 318 320 333 333 333 -151 -186 -241 -386	*221 *244 *264 *288 *300 *311 *312 *314 *318 *321 *330 *349	.237 .240 .214 .151 .132 .175 .326 .407 .432 .434 .432 .431 .427 -409 -379 -286 -206	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342
-2.250 -2.000 -1.750 -1.500 -1.250 -1.250 -1.250 -3.75 -2.500 -3.75 -2.500 -3.75	.221 .229 .207 .176 .130 .109 .173 .259 .316 .325 .328 .331 .346 141 127 156 288 314	.220 .217 .201 .168 .124 .132 .180 .273 .312 .3312 .332 .324 .346 139 .134 .158 .332 .321 .321 .332	219 2206 1181 1141 1125 1144 2206 2779 3303 3338 322 33491341172296355411389	192 160 134 132 1152 1256 301 313 314 327 336 249 -1154 -178 -272 -355 -405 -393	134 139 1159 1159 1234 2271 288 312 3318 320 333 335 335 -1186 -241 -306 -386 -3421	-221 -244 -264 -288 -300 -308 -311 -314 -318 -321 -330 -349	.237 .240 .214 .151 .132 .175 .326 .407 .432 .431 .427 .4431 .427 .4409 .4417 .4409 .286 .206 .134	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342
-2.250 -2.000 -1.750 -1.500 -1.250 -1.250 -375 -500 -375 -125 -000 -375 -125 -125 -125 -125 -125 -125 -125 -12	.221 .229 .207 .176 .130 .109 .173 .259 .316 .325 .328 .331 .346 .141 127 .158 314 386 314	*220 *217 *201 *168 *124 *132 *180 *273 *312 *315 *332 *324 *346 *139 *1138 *158 *300 *321 *321 *321 *321 *321 *321 *321 *322 *324	219 2206 181 141 125 144 206 279 300 303 338 322 3349 -1141 -172 -296 -355 -411	192 160 134 132 152 193 256 301 314 327 336 349 -1154 -272 -355 -405	*134 *139 *159 *194 *234 *271 *288 *312 *318 *320 *330 *332 *3353 **151 *-186 *-241 *-306 *-386 *-4421 *-4408	-221 -244 -264 -288 -300 -311 -312 -314 -318 -321 -330 -349	.237 .240 .214 .151 .132 .175 .326 .407 .432 .434 .432 .431 .427 -409 -206 -206 -134 -078	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342
-2.250 -2.000 -1.750 -1.500 -1.5500 -1.250 -1.000 -750 -375 -250 -125 000 -250 -375 -250 -125 000 -375 -300 -300 -300 -300 -300 -300 -300 -30	.221 .229 .207 .176 .130 .109 .173 .259 .259 .316 .325 .328 .331 .346 .141 -127 -1156 -288 -314 -386 -373 -236	.220 .217 .201 .168 .124 .180 .273 .312 .315 .332 .324 .346 .139 .139 .139 .139 .139 .139 .139 .139	-219 -206 -181 -141 -125 -144 -206 -279 -300 -303 -338 -322 -3349 -1141 -172 -296 -355 -411 -389 -314	192 160 134 132 152 153 256 301 313 314 227 336 349 -1154 -178 -272 -355 -405 -393 -371	134 139 1159 1159 1234 2271 288 312 3318 320 333 335 335 -1186 -241 -306 -386 -3421	-221 -244 -264 -288 -300 -308 -311 -314 -318 -321 -330 -349	.237 .240 .214 .151 .132 .175 .326 .407 .432 .431 .427 .4431 .427 .4409 .4417 .4409 .286 .206 .134	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342
-2.250 -2.000 -1.750 -1.500 -1.250 -1.250 -1.000 -375 -500 -375 -250 -125 -000 -375 -125 -125 -125 -125 -125 -125 -125 -12	.221 .229 .207 .176 .130 .109 .173 .259 .315 .325 .328 .331 .346 .1127 -1156 .288 .331 .346 .331 .346	.220 .2217 .201 .168 .124 .132 .180 .273 .312 .3312 .332 .324 .3346 .139 .134 .139 .3212 .3212 .3212 .3213	219 2206 1181 1141 1125 1144 2206 279 3303 3338 322 3349 -1141 -1172 -296 -315 -4111 -389 -314 -1197 -1197	192 160 134 132 152 193 256 301 313 327 336 349 -1154 -178 -355 -405 -393 -316 -236	134 139 1159 1234 2271 2288 3312 3320 3330 3332 3333 3353 -1151 -186 -241 -4421 -4421 -4421 -44383 -374 -374	-224 -264 -288 -300 -308 -311 -312 -314 -318 -321 -330 -349 241 -298 -354 -414 -413	.237 .240 .214 .151 .132 .175 .326 .407 .432 .431 .427 .4437 .4437 .4417 .4409 .379 .286 .206 .134 .078	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342
-2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -125 000 -250 -375 -125 000 -250 -375 -250 -1750 -1750 -1750 -1750 -1750 -1750 -1750 -1750 -1750 -1750 -1750	.221 .229 .207 .176 .130 .109 .173 .259 .299 .316 .325 .328 .331 .346 .1156 .288 .3114 .386 .373 .288 .314	*220 *217 *201 *168 *124 *132 *180 *273 *312 *315 *332 *324 *346 *139 *1158 *300 *321 *412 *376 *279 *151 *054 *007 *016	-219 -206 -181 -141 -125 -144 -206 -279 -300 -303 -322 -338 -322 -3349 -1141 -172 -296 -174 -175 -411 -389 -314 -117 -3197 -197 -025	192 160 134 132 152 153 256 301 313 327 336 349 -1154 -178 -272 -355 -405 -371 -216 -371 -216 -371 -226 -371 -226 -371 -226 -371 -226 -371 -226 -371 -226 -371 -227 -371 -227 -371 -227 -371 -227 -371 -227 -371 -227 -371 -227 -371 -371 -371 -371 -371 -371 -371 -37	*134 *139 *159 *1159 *234 *271 *288 *312 *318 *320 *332 *333 *353 **151 *186 *-241 *-408 *-386 *-441 *-408 *-383 *-3374 *-336 *-195	-221 -244 -264 -288 -300 -308 -311 -314 -318 -321 -330 -349 241 298 354 414 417 417 328	.237 .240 .214 .151 .132 .175 .326 .407 .432 .434 .432 .431 .427 .409 .379 .206 .206 .206 .206 .207 .0037 .0037 .009	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342
-2.250 -2.000 -1.750 -1.500 -1.250 -1.250 -1.250 -375 -250 -125 -000 -375 -125 -125 -125 -125 -125 -125 -125 -12	.221 .229 .207 .176 .130 .109 .173 .259 .315 .328 .331 .346 -141 -1127 -156 .288 .331 .346 -181 -188 -314 -3188 -3188 -3188 -310 -3188 -3188 -3188 -3198 -31	*220 *217 *201 *168 *124 *132 *180 *273 *312 *315 *332 *324 *346 *1134 *1158 *-300 *-321 *-412 *-376 *-279 *-151 *-0054 *-007 *-006 *-000	-219 -206 -181 -141 -125 -144 -206 -279 -300 -303 -338 -322 -332 -349 -1141 -1172 -296 -355 -411 -389 -314 -197 -111 -055 -019	192 1160 1134 1132 1152 1152 1256 301 313 4314 327 4336 4349 -1154 -1178 -2355 -405 -393 -371 -316 -236 -236 -371 -371 -371 -371 -371 -371 -371 -371	*134 *139 *159 *194 *234 *271 *288 *312 *332 *333 *333 *353 *151 *-186 *-241 *-241 *-306 *-338 *-334 *-334 *-342 *-421	-221 -244 -264 -288 -300 -308 -311 -312 -331 -321 -330 -349 241 298 354 387 413 413 417 396 328 3340	.237 .240 .214 .151 .132 .175 .326 .407 .432 .431 .427 -409 -379 -286 -206 -134 -0037 -0037 -023	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342
-2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -125 000 -250 -375 -125 000 -250 -375 -250 -1750 -375 -250 -375 -375 -375 -375 -375 -375 -375 -375	.221 .229 .207 .176 .130 .109 .173 .259 .316 .325 .328 .3346 .141 127 .1156 288 .314 .314 .386 .314 .386 .314 .386 .314 .386 .314 .386 .386 .388 .398 .398 .398 .398 .398 .398 .398	*220 *217 *201 *168 *124 *132 *180 *273 *312 *315 *332 *324 *346 *139 *134 *158 *300 *321 *412 *376 *279 *151 *054 *000 *000 *020	-219 -206 -181 -125 -144 -125 -144 -206 -279 -300 -303 -338 -322 -332 -3491341722963554113893141973197025019 -0025019	192 160 134 132 152 153 256 301 313 327 336 349 -1154 -178 -272 235 -393 -3405 -3405 -371 -335 -3405 -371 -336 -3405 -3405 -371 -325 -327 -325 -325 -325 -325 -325 -325 -325 -325	*134 *139 *159 *1194 *224 *271 *288 *312 *318 *320 *332 *333 *353 *** *** *** *** *** *** *** *	-221 -244 -264 -288 -300 -308 -311 -312 -3314 -318 -321 -330 -349 -241 -298 -354 -413 -417 -396 -328 -340 -328 -340 -328 -340 -328 -340 -328 -340 -328 -340 -328 -340 -328 -340 -328 -340 -328 -340 -328 -340 -328 -340 -328 -340	.237 .240 .214 .151 .132 .175 .326 .407 .432 .434 .432 .431 .427 .409 .379 .206 .206 .206 .206 .207 .0037 .0037 .009	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342
-2.250 -2.000 -1.750 -1.500 -1.5500 -1.250 -1.000 -375 -250 -125 -000 250 -375 -125 -000 250 -375 -1250 -125	.221 .229 .227 .176 .130 .109 .173 .259 .316 .325 .328 .331 .346 .141 .127 .156 .288 .311 .386 .373 .386 .373 .386 .373 .386 .373 .386 .373 .386 .373 .386 .373 .386 .373 .386 .373 .386 .373 .386 .373 .373 .373 .373 .373 .373 .373 .37	*220 *217 *201 *168 *124 *132 *180 *273 *312 *315 *332 *324 *346 *1134 *1158 *-300 *-321 *-412 *-376 *-279 *-151 *-0054 *-007 *-0000 *-0000 *-0001	219 206 181 141 125 144 206 279 300 303 338 322 3349 -1141 -172 -296 -315 -411 -389 -314 -197 -111 -055 -019 -004 028	192 1160 1134 1132 1152 1193 256 3013 313 314 327 336 349 -1154 -1178 -275 -393 -371 -236 -393 -371 -236 -393 -371 -316 -2072 -2057 -0057 -0057	*134 *139 *159 *194 *234 *271 *288 *312 *332 *333 *3353 *353 *353 *353 *353 *3	-221 -244 -264 -288 -300 -308 -311 -312 -331 -321 -330 -349 241 298 354 413 417 417 396 328 340 283 093	.237 .240 .214 .151 .132 .175 .326 .407 .432 .434 .432 .431 .427 .409 .379 .206 .206 .206 .206 .207 .0037 .0037 .009	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342
-2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -125 000 250 -375 -125 000 1.250 -1.750 -1.250 -1.	.221 .229 .207 .176 .130 .109 .173 .259 .316 .325 .328 .3346 .314 .127 .156 .288 .314 .386 .314 .386 .314 .386 .314 .386 .386 .388 .398 .398 .399 .399 .399 .399 .399	*220 *217 *201 *168 *124 *132 *180 *273 *312 *315 *332 *324 *346 *-139 *-134 *-158 *-300 *-321 *-376 *-279 *-151 *-054 *-007 *-016 *-000 *-020 *-001 *-001	-219 -206 -181 -141 -125 -144 -206 -279 -300 -303 -338 -322 -332 -349 -1134 -1172 -296 -355 -411 -389 -314 -1197 -111 -059 -025 -001 -028 -002	192 1160 1134 1132 1152 1256 1301 1313 1314 1327 1336 1349 1154 1178 1272 1371 1	*134 *139 *159 *1194 *224 *2271 *228 *312 *318 *320 *332 *333 *353 *** *** *** *** *** *** *** *	-224 -264 -288 -300 -308 -311 -312 -314 -318 -321 -330 -349 -241 -298 -354 -413 -417 -396 -328 -329	.237 .240 .214 .151 .132 .175 .326 .407 .432 .434 .432 .431 .427 .409 .379 .206 .206 .206 .206 .207 .0037 .0037 .009	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342
-2.250 -2.000 -1.750 -1.500 -1.5500 -1.250 -1.000 -375 -250 -125 -000 250 -375 -125 -000 250 -375 -1250 -125	.221 .229 .227 .176 .130 .109 .173 .259 .316 .325 .328 .331 .346 .141 .127 .156 .288 .311 .386 .373 .386 .373 .386 .373 .386 .373 .386 .373 .386 .373 .386 .373 .386 .373 .386 .373 .386 .373 .386 .373 .373 .373 .373 .373 .373 .373 .37	*220 *217 *201 *168 *124 *132 *180 *273 *312 *315 *332 *324 *346 *1134 *1158 *-300 *-321 *-412 *-376 *-279 *-151 *-0054 *-007 *-0000 *-0000 *-0001	219 206 181 141 125 144 206 279 300 303 338 322 3349 -1141 -172 -296 -315 -411 -389 -314 -197 -111 -055 -019 -004 028	192 1160 1134 1132 1152 1193 256 3013 313 314 327 336 349 -1154 -1178 -275 -393 -371 -236 -393 -371 -236 -393 -371 -316 -2072 -2057 -0057 -0057	*134 *139 *159 *194 *234 *271 *288 *312 *332 *333 *3353 *353 *353 *353 *353 *3	-221 -244 -264 -288 -300 -308 -311 -312 -331 -321 -330 -349 241 298 354 413 417 417 396 328 340 283 093	.237 .240 .214 .151 .132 .175 .326 .407 .432 .434 .432 .431 .427 .409 .379 .206 .206 .206 .206 .207 .0037 .0037 .009	9 10 11 12 13 14 15 16 17 18 19 20 21	- 140 - 151 - 183 - 242 - 423 - 418 - 419 - 416 - 399 - 366 - 195 - 397 - 342

Table 15 Concluded

Plate and Spoiler Pressure Coefficients

Configuration 8 M=1.61 R=0.30 x 106

	Row O	Row I	1 0 7	Plate				Sp	oiler
	I NOW O	How I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	75 °		A A S	TO NOT THE	
-6.000 -5.500	•013	•050	•059	•051	•062	•001		1	
-5.000	•055	•067	•061	•050	•062	•001		1 2	•074
-4.500	•077	•070	•055	•045	•063	•028		3	•075
-4.000		•063	•056	•054	.066	.058		4	•071
-3.500	•079	•064	•060	•051	.070	•072	.010	5	•062
-3.000	•072	•060	•060	•058	•072	•073	•034	6	• 040
2.750	•064	•060	•057	•057	.073	.070	•088	7	145
-2.500	•062	•077	•063	•058	.073	•072	•099	8	•104
-2.250	•063	*061	•062	• 057	•073	.074	•106	9	073
-2.000	•078	.061	•060	•058	•072	•075	.099	10	
1.750	•061	*063	•061	•061	.068	.076	•099	11	151 161
	•069	*065	•064	•068	.059	•079	.094	12	•102
1.500	*066	•062	•059	•062	•057	.074	•092	13	•102
1.000	0041	0064	•061	•054	•062	•073	•087	14	•100
750	•057	•053	•054	•058	•055	•073	•081	15	•095
	•059	.060	•054	•062	.071	•075	•084	16	• 084
-•625 -•500	*066	•073	•058	•067	.076	•073	•088	17	• 063
	•067	•067	•052	•059	.074	•075	•092	18	046
375	*068	.077	•087	•085	.086	•079	•098	19	
250	•077	.071	•072	•087	.084	•081	•103	20	113
125	•082		•080		.085		•106	21	050
•000	•092	•090	•095	•094	•097	•094	•105	22	126 311
• 250	•120	.085	•043	•025			114		
• 375	•108	•032	001	007	007		110	THE REAL PROPERTY AND ADDRESS OF THE PERTY ADDRESS OF THE PERTY ADDRESS OF THE PERTY AND ADDRESS OF THE PERTY ADDR	
•500	•006	049	048	026	002		110		
• 750	066	059	059	050	014	•005	105		
1.000	045	014	035	071	088	067	040		
1.250	•011	059	162	191	221	183	071		
1.500	012	088	137	134	196	234	057	2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
1.750	002	101	085	093	149	240	026		
2.000	042	075	059	073	121	207	020		
2.250	064	048	056	047	115	183	029	THE PARTY OF THE	
2.500	058	044	015	•000	028	339	020		
2.750	041	022	•004	•034	•050	005		A STATE OF THE STA	
3.000	033	017	.011	•026	013	005	026		
3.500	019	.000	•000	033	044	032	045		
4.000	004	•001	014	011	016	022		The same of the	
4.500	.010	011	019	039	042	•047			
5.000	.010	009	078	100	155	292			
5.500	002	032	062	037	062				
0000	003	061	015	•022	•029	-•222 -•075			

Table 16 . Plate and Spoiler Pressure Coefficients
Configuration 8 M= $^{1\cdot61}$ R= $^{0\cdot45}$ x10 6

v in	Row O	Row I	Row 3	Plate Row 4	Row 6	Row 7	Row 9	Spoiler Orifice No.
x,in.	1. 1000	110W 1	Thom 3		00°	NOW /	Now 9	Office No.
				Λ= 0	30 -			
-6.000	•011	•009	•006	•014	•275	•245	722	2 •561
-5.500 -5.000	•010 •012	•009	•006	•109 •314	•321 •341	• 244 • 245		2 • 485
-4.500	.078	.128	•293	•367	•358	.233		4 .492
-4.000	•330	•337	•371	• 386	•375	•217	•335	5 •560
-3.500	•386	•386	•394	•395	•385	•236	•387	6 .669
-3.000	•406	•405	•405	•411	•387	•280	• 407	7 •508
-2.750	6411	• 411	•412	• 416	•382	•299	• 411	8350
-2.500 -2.250	•415 •422	•415	•414	• 415 • 409	•376 •366	•319	•415 •418	9350
-2.000	•421	• 420	•414	.399	•358	•364	• 420	11 349
-1.750	• 423	•417	• 408	•389	•357	.393	• 417	12 .586
-1.500	•413	•406	•394	•373	•361	•420	• 409	13 • 494
-1.250	•380	•390	•375	•360	•373	•452	•391	14 • 473
-1.000	•378	•373	• 365	•365	•392	•494	• 371	15 •5-18
750 625	•369	•368 •375	•374 •387	• 386 • 407	•430 •461	•547 •576	• 366	16 •603 17 •735
500	•400	• 394	• 414	• 441	• 497	•607	•395	18 .801
375	• 430	•432	• 452	• 483	•545	•636	• 435	19350
250	*491	*494	•516	•548	•609	•642	.511	20 353
125	•598		•617		•639		•633	21 355
•000	•611	•609	•616	•613	•616	•614	•639	22 352
• 250	348	~.353	344	344			-,353	
•375	352	~.359	348	347	340		355	
•500	355	358	352	351	342		358	
• 750	355	361	352	354	345	345	358	
1.000	350	346	352	354	-:346	347	354	
1.250	-•335 -•311	~•338 ~•314	343 325	333	-•346 -•347	349 350	-•335 -•307	
1.750	259	282	301	321	348	350	276	The Park House of the Land
2.000	247	252	266	305	344	349	243	-
2.250	217	222	247	285	334	349	212	
2.500	191	195	221	261	322	349	185	
2.750	164	172 153	195 179	234	307 292	349 351	161 139	
3.500	109	123	138	169	262	351	-6137	
4.000	084	099	111	139	242	347		
4.500	069	084	093	113	209	340		
5.000								
	058	073	071	092	183	330		
5.500	052	062	061	069	144	297		
				069 052	-•144 -•093			
5.500	052 039	062	-•061 -•047	069 052	-•144 -•093	-•297 -•242		
5.500 6.000	052 039	062 053	-•061 -•047	069 052 Λ=	-•144 -•093	-•297 -•242		1 +457
5.500 6.000 -6.000 -5.500	052 039	062 053	-•061 -•047	069 052 Λ= 1	-•144 -•093	297 242		2 •408
-6.000 -5.500 -4.500	052 039	062 053	-•061 -•047	069 052 A = 1 .005 .007 .202 .349	144 093 15° .020 .242 .334 .357	-•297 -•242		2 .408
5.500 6.000 -6.000 -5.500 -5.000 -4.500 -4.000	052 039	.062 053	-061 -047 -047 -003 -012 -264 -365	069 052 Λ= 1 .005 .007 .202 .349	144 093 15° .020 .242 .334 .357	297 242 *231 .261 .265 .267 .195	•338	2 408 3 393 4 412 5 452
5.500 6.000 -6.000 -5.500 -5.000 -4.500 -4.500 -3.500	052 039 001 .001 .005 .174 .337	-062 -053 -002 -002 -002 -002 -166 -342 -381	-061 -047 -007 -003 -012 -264 -365 -390	069 052 A = 1 .005 .007 .202 .349 .384 .399	-0144 -093 15° 020 0242 0334 0357 0369	297 242 *231 .261 .265 .267 .195 .208	•370	2
5.500 6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.000	052 039 .001 .001 .005 .174 .337 .375	.002 .002 .002 .002 .002 .166 .342 .381	-061 -047 -007 -003 -012 -264 -365 -390 -398	069 052 Λ= 1 .005 .007 .202 .349 .384 .399 .404	-0144 -093 15° 020 0242 0334 0357 0369 0369	- 297 - 242 - 242 - 261 - 265 - 267 - 195 - 208 - 252	• 370 • 384	2 • 408 3 393 4 • 412 5 • 452 6 • 523 7 • 307
5.500 6.000 -6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.500 -2.750	052 039 .001 .001 .005 .174 .337 .375 .384	-062 -053 -002 -002 -002 -002 -166 -342 -381 -390 -394	-061 -047 -007 -003 -012 -264 -365 -390 -398 -403	-069 -052 A = 1 -005 -007 -202 -349 -384 -399 -404 -390	-0144 -093 15° 020 0242 0334 0357 0379 0369 0322	297 242 242 261 265 267 195 208 252 276	•370 •384 •389	2 408 3 293 4 412 5 452 6 523 7 307 8 -354
5.500 6.000 -6.000 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500	052 039 .001 .001 .005 .174 .337 .375 .384 .387	.062 .053 .002 .002 .002 .166 .342 .381 .390 .394	061 047 .003 .012 .264 .365 .390 .398 .403	069 052 A = 1 .005 .007 .202 .349 .384 .399 .404 .390 .373	-0144 -093 15° 020 0242 0334 0357 0369 0322 0308	297 242	• 370 • 384 • 389 • 393	2 408 3 4393 4 412 5 452 6 523 7 307 8 -3543
5.500 6.000 -6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.500 -2.750	052 039 .001 .001 .005 .174 .337 .375 .384	-062 -053 -002 -002 -002 -002 -166 -342 -381 -390 -394	-061 -047 -007 -003 -012 -264 -365 -390 -398 -403	069 052 A = 1 .005 .007 .202 .349 .384 .399 .404 .390 .373 .355	144 093 15° .020 242 334 357 379 369 322 300 295 301	297 242 242 261 265 267 195 208 252 276	• 370 • 384 • 389 • 393 • 397 • 400	2 408 3 293 4 412 5 452 6 523 7 307 8 -354
5.500 6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -1.750	052 039	.062 .053 .002 .002 .002 .002 .166 .342 .381 .390 .394 .396 .398	-061 -047 -007 -003 -012 -264 -365 -390 -403 -401 -394 -380 -366	069 052 A= 1 .005 .007 .202 .349 .399 .404 .399 .404 .399 .373 .355 .338	144 093 15° .020 .242 .334 .357 .379 .369 .308 .300 .295 .301 .307	297 242	• 370 • 384 • 389 • 393 • 397 • 400 • 400	2
5.500 6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -2.750 -2.250 -2.250 -2.350 -1.750	052 039 .001 .001 .005 .174 .337 .375 .384 .387 .389 .389 .389 .388 .378	.062 .053 .002 .002 .002 .002 .166 .342 .381 .390 .394 .398 .396 .389	-061 -047 -007 -003 -012 -264 -365 -390 -398 -403 -394 -386 -354	069 052 A= 1 .005 .007 .202 .349 .384 .399 .404 .390 .373 .355 .338 .331	-114 -093 15° -020 -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -319	297242 231261265267195208252276298324353406	.370 .384 .389 .393 .397 .400 .400	2 408 3 393 4 412 5 452 6 523 7 307 8 -354 9 -353 10 -353 11 -347 12 535
5.500 6.000 -5.500 -5.500 -5.000 -4.500 -4.500 -3.500 -2.750 -2.250 -2.250 -1.500 -1.500	052 039 .001 .001 .005 .174 .337 .375 .384 .384 .389 .389 .389 .378	.062 .053 .002 .002 .002 .002 .342 .381 .390 .394 .398 .398 .381 .370	-061 -047 -007 -003 -012 -264 -365 -390 -403 -401 -394 -386 -354 -344	069 052 A = 1 .005 .007 .202 .349 .384 .399 .404 .373 .355 .338 .331 .322	-144 -093 15° -020 -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -307 -319 -334	297 242	.370 .384 .389 .393 .397 .400 .400 .397	2
5.500 6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -2.750 -2.250 -2.250 -1.750 -1.250 -1.250	052 039 .001 .005 .174 .337 .375 .384 .389 .395 .389 .389 .389 .389 .389 .360	.062 .053 .002 .002 .002 .002 .166 .342 .381 .390 .394 .398 .396 .389 .381 .370	-061 -047 -007 -003 -012 -264 -365 -390 -398 -403 -401 -380 -354 -344 -338	-069 -052 A = 1 005 007 -007 -202 -349 -384 -399 -404 -399 -404 -399 -373 -338 -338 -338 -338 -322 -323 -328	-114 -093 15° 242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -319 -334 -355	- 297 - 242 - 231 - 261 - 265 - 267 - 195 - 208 - 252 - 276 - 298 - 324 - 333 - 383 - 406 - 431 - 460	.370 .384 .389 .393 .397 .400 .400 .397 .383	2
5.500 6.000 -5.500 -5.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.250 -1.500	052 039 001 .001 .005 .174 .337 .375 .384 .387 .389 .395 .389 .378 .389 .378 .389 .378	.062 .053 .002 .002 .002 .166 .342 .381 .390 .394 .398 .398 .398 .399 .311 .370 .359	-061 -047 -003 -012 -224 -365 -390 -403 -401 -394 -386 -338 -344 -338 -344	069 052 A = 1 .005 .007 .202 .349 .384 .399 .404 .373 .335 .335 .338 .331 .222 .323 .328 .328	-144 -093 15° -020 -242 -334 -357 -379 -389 -322 -308 -300 -295 -301 -307 -319 -334 -355 -387	297242	.370 .384 .389 .393 .397 .400 .400 .397 .383 .361 .358	2 408 3 393 4 412 5 452 6 523 7 307 8 -354 9 -353 10 -353 11 -347 12 535 13 470 14 455 15 464
5.500 6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -2.750 -2.250 -2.250 -1.750 -1.250 -1.250	052 039 .001 .001 .005 .174 .337 .375 .384 .389 .389 .389 .388 .378 .378 .378 .378 .378 .378 .378	.062 .053 .002 .002 .002 .002 .166 .342 .381 .390 .394 .398 .396 .389 .381 .370	-061 -047 -007 -003 -012 -264 -365 -390 -398 -403 -401 -380 -354 -344 -338	-069 -052 A = 1 005 007 -007 -202 -349 -384 -399 -404 -399 -404 -399 -373 -338 -338 -338 -338 -322 -323 -328	-114 -093 15° 242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -319 -334 -355	- 297 - 242 - 231 - 261 - 265 - 267 - 195 - 208 - 252 - 276 - 298 - 324 - 333 - 383 - 406 - 431 - 460	.370 .384 .389 .393 .397 .400 .400 .397 .383	2
5.500 6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.250 -2.250 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500	052 039 .001 .001 .005 .174 .337 .375 .384 .389 .389 .389 .388 .376 .347 .347 .353 .347	.062 .053 .002 .002 .002 .002 .166 .342 .381 .390 .394 .398 .399 .391 .370 .359 .359 .359 .341 .349 .341	-061 -047 -007 -003 -012 -264 -365 -390 -398 -401 -394 -380 -344 -338 -344 -338 -348 -348 -348 -348	069 052 A = 1 .005 .007 .202 .349 .384 .399 .404 .399 .404 .395 .335 .338 .331 .322 .328 .344 .359 .359 .355 .388 .335 .328 .335 .346 .346 .346 .346 .346 .346 .346 .346	-114 -093 15° -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -307 -319 -334 -355 -319 -406 -434 -470	297 242 .231 .261 .265 .267 .195 .208 .252 .276 .298 .324 .353 .303 .406 .491 .505 .524 .524 .535 .645 .645 .645 .645 .645 .645 .645 .64	*370 *384 *389 *393 *397 *400 *400 *397 *383 *361 *358 *367 *385 *420	2
5.500 6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.250 -2.250 -2.250 -2.250 -1.750 -1.250 -1.250 -1.250 -3.500 -3.5	052 039 001 .001 .005 .174 .337 .375 .384 .389 .399 .389 .389 .389 .389 .342 .342 .347 .353 .372 .344	.062 .053 .002 .002 .002 .166 .342 .381 .390 .394 .398 .398 .399 .389 .359 .359 .359 .359 .341 .349	-061 -047 -007 -003 -012 -264 -365 -390 -403 -401 -394 -386 -354 -344 -338 -340 -348 -348 -348 -348 -348 -348 -348 -348	069 052 A = 1 .005 .007 .202 .349 .384 .399 .404 .373 .355 .338 .331 .222 .323 .328 .344 .359 .364 .373 .385	-114 -093 15° 020 -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -307 -319 -334 -355 -366 -470 -470 -516	297242 231261265208225276298324353383406431400491505524	370 384 389 393 397 400 400 397 383 361 358 367 385 420	2 408 3 393 4 412 5 452 6 523 7 307 8 -354 9 -353 10 -353 11 -347 12 555 13 470 14 455 15 484 16 549 17 639 18 666 19 -345
5.500 6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.750 -2.500 -1.500	052 039 .001 .0005 .174 .3375 .384 .389 .389 .389 .389 .389 .376 .347 .356 .347 .356 .347 .356 .347 .356 .347 .356 .347 .357	.062 .053 .002 .002 .002 .002 .166 .342 .381 .390 .394 .398 .396 .381 .370 .359 .359 .359 .359 .359 .341 .341 .341 .341 .341 .341 .341 .341	-061 -047 -007 -003 -012 -264 -365 -399 -403 -401 -394 -386 -354 -340 -346 -348 -348 -348 -348 -348 -348 -348 -348	-0.059 -0.052 A = 1 -0.05 -0.07 -0.07 -0.02 -0.349 -0.384 -0.399 -0.404 -0.399 -0.373 -0.355 -0.388 -0.331 -0.322 -0.323 -0.328 -0.344 -0.359 -0.355 -0.388 -0.355 -0.388 -0.355 -0.388 -0.355 -0.388 -0.355 -0.388 -0.355 -0.388 -0.355 -0.388 -0.355 -0.388 -0.355 -0.388 -0.355 -0.388	-1144 -093 15° -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -307 -319 -355 -347 -466 -470 -516 -540	297242 *231261265267195208252276298324353363406431400911505524543545	370 384 389 393 397 400 400 397 383 361 358 367 385 420 477	2
5.500 6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.550 -2.500 -2.550 -2.250 -1.750 -1.250 -1.250 -1.250 -3.500 -1.250 -1.250 -3.500 -3.5	052 039 001 .001 .005 .174 .337 .375 .384 .389 .399 .389 .389 .389 .389 .342 .342 .347 .353 .372 .344	.062 .053 .002 .002 .002 .002 .166 .342 .381 .390 .394 .398 .399 .391 .370 .359 .359 .359 .341 .349 .341	-061 -047 -007 -003 -012 -264 -365 -390 -403 -401 -394 -386 -354 -344 -338 -340 -348 -348 -348 -348 -348 -348 -348 -348	069 052 A = 1 .005 .007 .202 .349 .384 .399 .404 .399 .404 .395 .335 .338 .331 .322 .328 .344 .359 .359 .355 .388 .335 .328 .335 .346 .346 .346 .346 .346 .346 .346 .346	-114 -093 15° 020 -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -307 -319 -334 -355 -366 -470 -470 -516	297 242 .231 .261 .265 .267 .195 .208 .252 .276 .298 .324 .353 .303 .406 .491 .505 .524 .524 .535 .645 .645 .645 .645 .645 .645 .645 .64	370 384 389 393 397 400 400 397 383 361 358 367 385 420	2 408 3 393 4 412 5 452 6 523 7 307 8 -354 9 -353 10 -353 11 -347 12 555 13 470 14 455 15 484 16 549 17 639 18 666 19 -345
5.500 6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.750 -2.500 -1.750 -1.250	052 039 .001 .001 .005 .174 .337 .384 .389 .395 .389 .389 .389 .389 .389 .389 .378 .360 .342 .342 .347 .353 .372 .416	.062 .053 .002 .002 .002 .002 .166 .342 .381 .390 .394 .398 .396 .389 .381 .370 .359 .389 .341 .349 .349 .349 .349 .349 .349 .349 .349	-061 -047 -007 -003 -012 -264 -365 -390 -398 -403 -380 -386 -354 -344 -386 -355 -348 -348 -355 -348 -348 -355 -348 -348 -348 -348 -348 -348 -348 -348	069 052 A = 1 .005 .007 .202 .349 .384 .399 .404 .399 .373 .338 .331 .322 .328 .344 .359 .328 .344 .359 .355 .466	-144 -093 15° -020 -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -319 -334 -355 -340 -434 -470 -516 -527	297242 *231261265267195208252276298324353363406431400911505524543545	370 384 389 397 400 400 397 383 261 356 420 477 566	2
5.500 6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -2.550 -2.550 -2.250 -2.250 -1.2	052 039 001 .001 .005 .174 .337 .387 .389 .389 .389 .389 .389 .342 .347 .347 .347 .353 .372 .342 .347 .353 .353 .353 .353 .353 .353 .353 .35	.062 .053 .002 .002 .002 .002 .166 .342 .381 .390 .394 .398 .396 .389 .381 .370 .359 .338 .341 .349 .377 .419	061 047 007 003 012 264 365 390 398 403 394 380 354 348	069052 A = 1005007007002344399404399404373355338331222323328344355418348348332	-144 -093 15° 020 -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -307 -319 -334 -455 -456 -456 -456 -457 -540 -527	297242 *231261265267195208252276298324353363406431400911505524543545	370 384 389 393 397 400 490 383 361 358 367 285 420 477 566 568	2
5.500 6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -1.500	052 039 .001 .001 .005 .174 .337 .375 .384 .389 .395 .389 .389 .378 .353 .360 .342 .347 .353 .372 .416 .504 .522	.062 .053 .002 .002 .002 .002 .166 .342 .381 .390 .394 .395 .389 .381 .370 .359 .389 .377 .419 .520	-061 -047 -003 -012 -264 -365 -390 -398 -401 -386 -354 -386 -354 -348 -348 -352 -348 -348 -352 -348 -352 -348 -355 -355 -355 -355 -355 -355 -355 -35	069052 A = 1005007007002349384399404399313323328344359385418366521348352355	-144 -093 15° 020 242 334 357 379 369 322 308 300 295 301 307 319 334 434 470 516 527	297242 231261265267195208252276298324353363406431460491505524525525	370 384 389 393 397 400 400 397 383 361 358 367 420 477 566 568	2
5.500 6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -2.550 -2.550 -2.250 -2.250 -1.2	052 039 001 .001 .005 .174 .337 .387 .389 .389 .389 .389 .389 .342 .347 .347 .353 .378 .353 .356 .360 .342 .347 .353 .357 .352 .357 .352 .363	.062 .003 .002 .002 .002 .166 .342 .381 .390 .394 .398 .398 .396 .389 .389 .338 .341 .349 .349 .349 .341 .349 .344 .349 .344 .349 .344 .349 .344 .349 .344 .349 .349	061 047 007 003 012 264 365 390 398 403 394 380 354 348	069052 A = 1005007007002344399404399404373355338331222323328344355418348348332	-144 -093 15° 020 -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -307 -319 -334 -455 -456 -456 -456 -457 -540 -527	297242 *231261265267195208252276298324353363406431400911505524543545	370 384 389 393 397 400 490 383 361 358 367 285 420 477 566 568	2
5.500 6.000 -6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.550 -2.500 -2.550 -2.500 -1.750 -1.250	052 039 001 .001 .005 .174 .337 .384 .387 .389 .389 .389 .389 .389 .389 .389 .389	.062 .002 .002 .002 .002 .166 .342 .391 .390 .394 .398 .399 .381 .370 .359 .359 .359 .359 .359 .359 .377 .361 .377 .363 .364 .349	-061 -047 007 -003 -012 -264 -345 -399 -398 -401 -394 -380 -366 -354 -344 -338 -340 -348 -340 -348 -355 -346 -352 -355 -360	069052 A = 1005007007202344399404399404373355338331222323328344355418466521348355354	-144 -093 15° 020 -242 -334 -357 -379 -389 -322 -308 -300 -295 -301 -307 -319 -334 -355 -366 -424 -470 -516 -540 -527	- 297 - 242 - 231 - 261 - 265 - 267 - 195 - 208 - 252 - 276 - 298 - 324 - 333 - 406 - 491 - 524 - 543 - 555 - 525	-370 -384 -389 -393 -397 -400 -400 -397 -383 -361 -358 -367 -356 -356 -351 -350 -351 -351 -351 -350 -337	2 408 3 393 4 412 5 452 7 4307 8 -353 10 -353 11 -347 12 535 13 470 14 455 15 484 16 549 17 639 18 666 19 -347 21 -348
5.500 6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.750 -2.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750	052 039 .001 .001 .005 .174 .337 .375 .384 .389 .389 .389 .388 .376 .347 .353 .372 .416 .522 352 363 354 3354 3354 3354 3354	.062 .053 .002 .002 .002 .002 .166 .342 .381 .390 .394 .399 .319 .359 .359 .359 .341 .349 .377 .419 .520	-061 -047 -007 -003 -012 -264 -365 -390 -388 -401 -394 -380 -354 -348 -355 -366 -354 -317 -523 -348 -355 -366 -3554 -317 -523	069052 A = 1005007	-144 -093 15° 020 242 334 357 379 369 322 308 300 295 301 307 319 334 455 470 516 527	- 297 - 242 - 231 - 261 - 265 - 226 - 298 - 226 - 298 - 324 - 353 - 460 - 491 - 505 - 524 - 543 - 545 - 344 - 345 - 344	-348 -350 -351 -350 -337 -350 -351 -350 -336 -351 -350 -351 -350 -337 -316	2 408 3 393 4 412 5 452 7 4307 8 -353 10 -353 11 -347 12 535 13 470 14 455 15 484 16 549 17 639 18 666 19 -347 21 -348
5.500 6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.250 -2.250 -2.250 -1.750 -1.250	052 039 001 .001 .005 .174 .337 .384 .387 .389 .389 .389 .389 .389 .389 .378 .356 .342 .347 .353 .372 .416 .504 .504 .502 357 362 363 352 36	.062 .002 .002 .002 .002 .002 .166 .342 .391 .399 .398 .396 .399 .381 .370 .359 .389 .377 .350 .389 .377 .351 .341 .349 .357 .357 .363 .364 .364 .364 .364 .364 .364 .364	-061 -047 -007 -003 -012 -264 -365 -390 -398 -003 -001 -394 -386 -354 -344 -338 -340 -348 -355 -360 -354 -348 -322 -355 -360 -354 -347 -328 -306	069052 A = 1007007002349384399404399404399313323328344355348352354357348357348357348357348357348357348357348357348357348357348357348357348357348357348357348357348357348357348	-144 -093 15° 020 -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -307 -319 -334 -470 -516 -540 -527	- 297 - 242 - 231 - 261 - 265 - 267 - 195 - 208 - 252 - 276 - 298 - 324 - 333 - 406 - 431 - 505 - 524 - 545 - 525 - 344 - 345 - 346 - 344 - 344	-370 -384 -389 -393 -397 -400 -400 -383 -361 -358 -367 -385 -420 -477 -566 -568 -351 -350 -351 -351 -351 -351 -351 -351 -351 -351	2
5.500 6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.750 -2.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.7	052 039 .001 .001 .005 .174 .337 .384 .387 .389 .389 .389 .388 .376 .347 .353 .372 .416 .522 362 .347 .353 .372 .416 .522	.062 .053 .002 .002 .002 .002 .166 .342 .381 .390 .394 .398 .399 .319 .359 .359 .359 .341 .349 .377 .419 .520 .357 .364 .349 .373 .364 .349 .349 .373 .364 .364 .373 .364 .373 .364 .374 .375 .375 .375 .375 .375 .375 .375 .375	-061 -047 -007 -003 -012 -264 -365 -390 -398 -401 -394 -380 -344 -338 -344 -317 -523 -348 -355 -360 -354 -347 -328 -336 -377	069052 A = 1005007202349384399404399404399313322223328344357348357343337337331	-144 -093 -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -307 -319 -334 -355 -314 -345 -346 -346 -346 -346 -346 -346 -346 -346	- 297 - 242 - 231 - 261 - 265 - 2267 - 195 - 208 - 252 - 276 - 298 - 324 - 333 - 406 - 491 - 505 - 524 - 543 - 545 - 344 - 342 - 344 - 342	-370 -384 -389 -393 -397 -400 -397 -383 -361 -358 -367 -385 -356 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -351 -351 -351 -351 -351 -351 -351	2
5.500 6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.750 -2.500 -1.750 -1.250 -1.750 -1.2	052 039 001 .001 .005 .174 .337 .384 .387 .389 .389 .389 .389 .389 .378 .378 .378 .378 .378 .378 .378 .378	.062 .002 .002 .002 .002 .166 .342 .391 .390 .398 .396 .389 .381 .370 .359 .389 .371 .419 .520	-061 -047 -007 -003 -012 -264 -365 -399 -398 -403 -366 -354 -344 -338 -346 -355 -338 -346 -357 -352 -355 -356 -347 -328 -348 -347 -328 -348 -347 -328 -348 -347 -328 -346 -272 -255	069052 A = 1007007002349384399404399404399385311295	-144 -093 15° 020 -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -307 -319 -334 -355 -366 -424 -470 -516 -540 -527 -346 -346 -346 -346 -346 -346 -346 -346	- 297 - 242 - 231 - 261 - 265 - 267 - 195 - 208 - 252 - 276 - 298 - 324 - 333 - 406 - 431 - 460 - 491 - 525 - 344 - 345 - 346 - 344	-370 -384 -389 -393 -397 -400 -400 -383 -361 -358 -367 -385 -420 -477 -566 -568 -351 -350 -351 -351 -351 -351 -351 -352 -3337 -316 -228 -228 -223	2
5.500 6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -2.750 -2.500 -2.750 -1.500 -1.750 -1.250	052 039 .001 .001 .005 .174 .337 .384 .387 .389 .389 .389 .389 .347 .353 .372 .416 .504 .522 352	.062 .053 .002 .002 .002 .002 .166 .342 .381 .390 .394 .398 .399 .391 .370 .359 .359 .359 .341 .349 .377 .419 .520 .357 .364 .364 .364 .379 .379 .364 .379 .379 .379 .379 .379 .379 .379 .379	-061 -047 -007 -003 -012 -264 -365 -399 -403 -401 -394 -380 -344 -338 -344 -338 -340 -347 -523 -348 -355 -360 -354 -347 -328 -360 -277 -225 -238	069052 A = 1005007202349384399404399404399313322223328344357348357343337337331	-144 -093 -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -307 -319 -334 -355 -314 -345 -346 -346 -346 -346 -346 -346 -346 -346	- 297 - 242 - 231 - 261 - 265 - 2267 - 195 - 208 - 252 - 276 - 298 - 324 - 333 - 406 - 491 - 505 - 524 - 543 - 545 - 344 - 342 - 344 - 342	-370 -384 -389 -393 -397 -400 -397 -383 -361 -358 -367 -385 -356 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -351 -351 -351 -351 -351 -351 -351	2
5.500 6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.750 -2.500 -1.750 -1.250 -1.750 -1.2	052 039 001 .001 .005 .174 .337 .384 .387 .389 .389 .389 .389 .389 .378 .378 .378 .378 .378 .378 .378 .378	.062 .002 .002 .002 .002 .166 .342 .391 .390 .398 .396 .389 .381 .370 .359 .389 .371 .419 .520	-061 -047 -007 -003 -012 -264 -365 -399 -398 -403 -366 -354 -344 -338 -346 -355 -338 -346 -357 -352 -355 -356 -347 -328 -348 -347 -328 -348 -347 -328 -348 -347 -328 -346 -272 -255	069052 A = 1005007202349349399404399340399	-144 -093 -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -307 -319 -334 -355 -317 -406 -470 -516 -527	- 297 - 242 231 - 261 - 265 - 267 - 195 - 208 - 252 - 276 - 298 - 324 - 353 - 406 - 431 - 401 - 505 - 524 - 543 - 545 - 525	-370 -384 -389 -393 -397 -400 -4900 -3983 -361 -358 -358 -420 -477 -566 -568 -351 -350 -351 -351 -350 -351 -350 -351 -350 -351 -350 -351 -350 -351 -351 -350 -351 -351 -350 -351 -351 -351 -351 -351 -351 -351 -351	2
5.500 6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.200 -1.500 -1.250 -1.2	052 039 001 .001 .005 .174 .337 .389 .389 .389 .389 .389 .389 .378 .350 .347 .353 .372 .416 .502 352 363 .352 363 .354 33	.062 .053 .002 .002 .002 .002 .166 .342 .381 .390 .394 .398 .396 .389 .381 .370 .359 .389 .371 .370 .359 .377 .419 .520 .357 .363 .344 .341 .341 .341 .341 .341 .341 .34	-061 -047 007 -003 -012 -264 -365 -390 -398 -401 -394 -380 -364 -344 -348 -355 -360 -374 -348 -355 -360 -355 -360 -355 -360 -355 -360 -272 -255 -277 -186	069052 A = 1007	-144 -093 15° 020 -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -307 -319 -334 -470 -516 -540 -527 -340 -346 -346 -346 -346 -346 -346 -346 -346	- 297 - 242 - 231 - 261 - 265 - 267 - 195 - 208 - 252 - 276 - 298 - 324 - 353 - 383 - 406 - 491 - 505 - 524 - 545 - 525 - 344 - 342 - 340 - 341 - 341 - 346	-370 -384 -389 -393 -397 -400 -397 -383 -361 -358 -358 -356 -356 -356 -356 -350 -350 -350 -350 -288 -229 -233 -210 -2186	2 408 3 393 4 412 5 452 7 4307 8 -353 10 -353 11 -347 12 535 13 470 14 455 15 484 16 549 17 639 18 666 19 -347 21 -348
5.500 6.000 -6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -2.250 -2.250 -2.250 -1.2	052 039 001 .001 .005 .174 .337 .384 .387 .389 .389 .389 .389 .389 .389 .378 .356 .342 .347 .353 .372 .416 .504 .522 357 362 .363 3562 363 3562 363 3562 363 3562 363 3562 362 363 362 362 363 362 363 362 363 362 363 362 363 362 363 362 363 362 363 362 363 363 362 363 363 362 363 363 363 362 363	.062 .002 .002 .002 .002 .166 .342 .391 .390 .394 .398 .399 .381 .370 .359 .359 .359 .359 .377 .419 .520 .363 .364 .363 .364 .363 .364 .364 .364	-061 -047 007 -003 -012 -264 -365 -390 -398 -401 -394 -380 -366 -354 -344 -338 -340 -348 -355 -360 -355 -360 -355 -360 -272 -255 -238 -207 -186 -142 -118	069052 A = 1007007002349384399404390373388331222328344355354355354357348355354357348357349357349357349357349377260243205277260243203171	-144 -093 15° 020 -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -307 -319 -334 -470 -516 -540 -527 -346 -344 -347 -346 -346 -346 -346 -346 -346 -346 -346	- 297 - 242 - 231 - 261 - 265 - 267 - 195 - 208 - 252 - 276 - 288 - 324 - 333 - 340 - 441 - 543 - 545 - 344 - 345 - 344 - 334 - 344 - 334	-370 -384 -389 -393 -397 -400 -397 -383 -361 -358 -358 -356 -356 -356 -356 -350 -350 -350 -350 -288 -229 -233 -210 -2186	2 408 3 393 4 412 5 452 7 4307 8 -353 10 -353 11 -347 12 535 13 470 14 455 15 484 16 549 17 639 18 666 19 -347 21 -348
5.500 6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.750 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -1.500	052 039 .001 .001 .005 .174 .337 .375 .384 .389 .389 .389 .388 .378 .353 .376 .347 .353 .347 .353 .372 .416 .522 363 .352 362 363 354 3	.062 .053 .002 .002 .002 .002 .002 .002 .003 .349 .399 .381 .370 .359 .389 .389 .370 .370 .359 .389 .377 .419 .520 .357 .361 .377 .361 .377 .363 .364 .377 .364 .377 .365 .377 .366 .377 .377 .377 .377 .377 .377	-061 -047 007 -003 -012 -264 -365 -390 -398 -401 -394 -380 -354 -344 -348 -355 -339 -411 -517 -523 -348 -355 -360 -354 -377 -328 -306 -355 -225 -225 -227 -186 -142 -118	069052 A = 1007	-144 -093 15° 020 -242 -334 -357 -379 -369 -322 -308 -300 -395 -301 -307 -319 -334 -355 -337 -406 -434 -470 -516 -527 -344 -344 -347 -346 -346 -346 -346 -346 -346 -346 -346	- 297 - 242 - 231 - 261 - 265 - 208 - 252 - 276 - 298 - 324 - 383 - 406 - 491 - 505 - 524 - 545 - 525 - 344 - 345 - 344 - 342 - 344 - 34	-370 -384 -389 -393 -397 -400 -397 -383 -361 -358 -358 -356 -356 -356 -356 -350 -350 -350 -350 -288 -229 -233 -210 -2186	2 408 3 293 4 412 5 452 7 357 8 357 8 -354 9 -353 10 -353 11 -347 12 535 13 470 14 455 15 484 16 549 17 639 18 666 19 -347 21 -347 21 -347
5.500 6.000 -6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.250 -2.250 -2.250 -1.500	052 039 001 .001 .005 .174 .337 .384 .387 .389 .389 .389 .389 .389 .389 .378 .356 .342 .347 .353 .372 .416 .504 .522 357 362 .363 3562 363 3562 363 3562 363 3562 363 3562 362 363 362 362 363 362 363 362 363 362 363 362 363 362 363 362 363 362 363 362 363 363 362 363 363 362 363 363 363 362 363	.062 .002 .002 .002 .002 .166 .342 .391 .390 .394 .398 .399 .381 .370 .359 .359 .359 .359 .377 .419 .520 .364 .349 .363 .364 .363 .364 .364 .364 .364 .364	-061 -047 007 -003 -012 -264 -365 -390 -398 -401 -394 -380 -366 -354 -344 -338 -340 -348 -355 -360 -355 -360 -355 -360 -272 -255 -238 -207 -186 -142 -118	069052 A = 1007007002349384399404390373388331222328344355354355354357348355354357348357349357349357349357349377260243205277260243203171	-144 -093 15° 020 -242 -334 -357 -379 -369 -322 -308 -300 -295 -301 -307 -319 -334 -470 -516 -540 -527 -346 -344 -347 -346 -346 -346 -346 -346 -346 -346 -346	- 297 - 242 - 231 - 261 - 265 - 267 - 195 - 208 - 252 - 276 - 288 - 324 - 333 - 340 - 441 - 543 - 545 - 344 - 345 - 344 - 334 - 344 - 334	-370 -384 -389 -393 -397 -400 -397 -383 -361 -358 -358 -356 -356 -356 -356 -350 -350 -350 -350 -288 -229 -233 -210 -2186	2 408 3 393 4 412 5 452 6 523 7 354 9 -353 10 -353 11 -347 12 535 13 470 14 455 15 484 16 549 17 639 18 666 19 -345 20 -347 21 -348

Table 16 Continued
Plate and Spoiler Pressure Coefficients

Configuration 8 M= 1.61 R= 0.45 × 106

		Config	uration 8	M= 1	.61	R= 0.45	X 10 -		
				Plate				Spoi	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	30°				
-6.000	*009	•009	•011	•011	•014	•010		1 2	• 568 • 480
-5.500 -5.000	*009	•009	•009	•011	•015	•078 •275		3	• 405
-4.500	\$245	•105	•089	.224	•331	•305		4	• 415
-4.000	*348	• 326	•336 •383	• 356 • 389	•377 •392	•279 •189	•340 •339	5 6	• 493
-3.500 -3.000	*371 *375	•373	•395	• 395	•301	•222	•336	7	• 363
-2.750	*380	•391	•397	•372	• 255	•232	•338	8	363
-2.500	*376	• 382	• 381	• 330 • 277	•233	•246	•337 •327	9	384 392
-2.250 -2.000	*363 *331	• 363	• 345	•238	•216	• 366	•320	11	381
-1.750	1290	•283	•252	• 221	.221	•454	•305	12	• 370
-1.500	*249 *205	• 242 • 217	•226 •213	•213 •213	•232	•529	•289 •270	13	•312
-1.250 -1.000	.204	.207	• 215	.230	•335	•663	.250	15	• 316
750	•215	•221	• 242	• 289	•444	•705	•237 •237	16	• 354
625	• 237 • 276	• 252	•279 •348	• 354 • 431	.575	•713	• 244	18	• 385
375	•375	•393	• 443	•524	•632	•696	• 268	19	312
250	.494 .625	•508	•551 •648	•601	•669 •639	•658	•321 •409	20	312 311
125	.607	•607	•602	•603	•602	•602	• 405	22	315
• 250	-,365	358	349	344			310		
•375	375	371	356	347	334		314		
•500	-,386	379	366	353	333	220	314		
1.000	376	-•378 -•336	-•375 -•356	358	334	320 312	-•314 -•315	The Party live of the	
1.250	-,303	316	324	340	336	312	305		
1.500	-,264	265	290	324	334 330	313 312	-•282 -•255		
1.750	-,204	188	256 218	274	324	310	226		
2.250	160	158	198	252	313	309	200		
2.500	-,141	134	170	230	303 289	308	174 151		
2.750	-,125	120	150 133	209 189	273	312	131		
3.500	-,047	087	101	156	245	308			
4.000	•018	066	082	128 105	220 198	304 298			
4.500	•079	041	-•066 -•053	087	179	291			
5.500	*047	•014	044	074	164	279			
6.000	.040	• 045	036	065	-•153	264			
				Λ=	45				,
-6.000	•025	•019	•012 •013	•022	.030 .031	•026		1 2	.638 .631
-5.500 -5.000	•023	•016	•011	.018	•032	•023		3	•617
-4.500	.045	•019	•014	•023	•037	•258	. 222	4 5	•643
-4.000 -3.500	• 278 • 335	•149 •323	•076 •317	•165 •349	•316 •387	•371 •275	•323	6	•737
-3.000	•348	• 355	•357	•379	•373	•218	•319	7	.044
-2.750	•350	•355	• 366	•383	•303	• 235	•319	8 9	395 402
-2.500 -2.250	• 358 • 357	•361 •356	•370 •350	•359	•241 •217	•270 •358	•319	10	404
-2.000	•327	•327	•307	• 242	•216	•476	•279	11	399
-1.750	• 284	• 277	• 246	•213 •207	•231 •274	•600 •673	• 249 • 215	12	• 367 • 331
-1.500 -1.250	• 234 • 195	•221 •196	•209 •200	•227	•370	•716	•183	14	• 292
-1.000	•198	•209	•238	•297	.494	•732	•164	15	• 292
750 625	•257	• 277	• 335 • 416	• 431 • 514	•613 •644	•727 •717	•171 •185	17	• 406
500	430	• 442	•512	•588	•667	•709	•219	18	0414
375	•547	•555	•597	•635	•681	•692 •676	•270 •347	19	314
250 125	•621 •661	•619	•640 •666	•659	•682	•676	• 403	21	264
.000	.638	•633	•639	•633	•639	•638	•382	22	254
• 250	401	404	389	390			310		
• 375	409	412	390	387	369		315		
•500	-,429	432	411 426	412	-•365 -•354	343	312 293		
	425	445	414	398	357	312	284		
1.000		373	403	373	355	288	289		
1.000	-,320			366	341	279	318		
1.000 1.250 1.500	327	339	377		317	270	- 309		
1.000 1.250 1.500 1.750			377 358 327	357 343	317 300	270	309 281		
1.000 1.250 1.500 1.750 2.000 2.250	327 290 268 120	339 308 275 256	358 327 310	357 343 328	300	267	281 257		
1.000 1.250 1.500 1.750 2.000 2.250 2.500	327 290 268 120	339 308 275 256 202	358 327 310 278	357 343 328 312	300 280 264	267 272 280	-•281 -•257 -•239		
1.000 1.250 1.500 1.750 2.000 2.250	327 290 268 120	339 308 275 256	358 327 310	357 343 328 312 284 270	300 280 264 255 262	267 272 280 293 304	281 257		
1.000 1.250 1.500 1.750 2.000 2.250 2.500 2.750 3.000	-,327 -,290 -,268 -,120 .040 .079 .071	339 308 275 256 202 038 .076	358 327 310 278 264 246 069	357 343 328 312 284 270 215	300 280 264 255 262 280	267 272 280 293 304 261	-•281 -•257 -•239 -•212		
1.000 1.250 1.500 1.750 2.000 2.250 2.500 2.750 3.000 3.500 4.000	327 290 268 120 .040 .079 .071 .050	339 308 275 256 202 038 .076 .079	358 327 310 278 264 246 069	357 343 328 312 284 270 215 174	300 280 264 255 262 280 279	267 272 280 293 304 261 272	-•281 -•257 -•239 -•212		
1.000 1.250 1.500 1.750 2.000 2.250 2.500 2.750 3.000 3.500 4.000	-,327 -,290 -,268 -,120 .040 .079 .071	339 308 275 256 202 038 .076	358 327 310 278 264 246 069	357 343 328 312 284 270 215 174 149 122	300 280 264 255 262 280 279 251	267 272 280 293 304 261 272 293 259	-•281 -•257 -•239 -•212		
1.000 1.250 1.500 1.750 2.000 2.250 2.500 2.750 3.000 3.500 4.000	327 290 268 120 .040 .079 .071 .050 .035	- 339 - 308 - 275 - 256 - 202 - 038 - 076 - 079 - 064 - 048	358 327 310 278 264 246 069 .091	357 343 328 312 284 270 215 174 149	300 280 264 255 262 280 279 251	267 272 280 293 304 261 272 293	-•281 -•257 -•239 -•212		

Table 16 Concluded
Plate and Spoiler Pressure Coefficients Configuration 8 M= 1.61 R= 0.45 x 10.6

			The state of the s						
				Plate				Spoi	er
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	60°				The state of the s
-6.000	•011	•006	•003	•008	•016	.011 .010		1	• 433
-5.500 -5.000	•007	•006	•001	•009	•016			1 2	• 433
-4.500	•010	•003	•002	•006 •010	•014	•006		3 4	• 434
-4.000	•016	•004	•001	•008	.014	•185	•212	5	• 422
-3.500	•146	•043	.016	•045	•221	• 336	• 233	6	• 393
-3.000	•234	•214	•215	• 258	•310	•216	• 241	7	199
-2.750 -2.500	• 247 • 257	• 251	• 252	• 284	•319	•205	• 241	8	351
-2.250	•260	• 263	• 268 • 272	• 286 • 292	•296 •213	•252 •336	•240 •236	9	401 409
-2.000	•260	• 269	•274	• 262	.171	• 426	•230	11	450
-1.750	•254	• 254	• 247	•193	•195	•511	•213	12	• 334
-1.500 -1.250	•208	•206	•177	•166	•259	•538	•180	13	•332
-1.000	•135 •162	•156 •180	•162 •217	• 205	•365 •467	•539 •518	•146 •161	14	•341
750	• 264	• 295	•348	• 432	•495	.499	•216	16	• 355
625	•361	•376	•411	• 465	•482	•487	•257	17	• 341
500 375	•422	•415	• 449	• 472	.475	• 476	•292	18	.199
250	•448	• 456 • 437	• 458 • 447	• 466	• 46 9 • 46 3	•469 •461	•319 •334	19	366
125	• 448	• 451	• 450	• 455	• 452	*401	•340	20	360
•000	• 445	• 445	• 450	• 447	•453	•449	•336	22	254
• 250	349	349	337	332			361		
•375	377	380	358	344	321		373	All residents	
•500	434 394	434	408	373	333	100	381	20 100	
1.000	295	431 365	449	441 457	376 411	341 270	310		
1.250	161	284	378	438	373	245	-•296 -•230		
1.500	026	157	297	409	336	235	224		
1.750	•045	057	187	363	302	229	348		
2.000	•045	015 .001	070	237	286 276	245 272	209		
2.500	•026	•008	•029	166	260	303	•009	100000	
2.750	•009	•006	.039	085	262	348	•044		
3.000	006	• 006	•038	016	309	330	•052		
4.000	032 056	•003	•032 •023	•043	240	301 348		,	
4.500	055	•003	•015	•058	168	345			
5.000	048	•004	•015	•053	090	301			
5.500	042	•005 •005	•010 •011	•046	029	300			
8.000	1031	•005	•011	•042	014	-•286			
				Λ=	75				
-6.000	•012	•001	•001	•006	.008	•002		1	•123
-5.500 -5.000	•006	•002	004	•001	•007	•002		2	•129
-4.500	•005	•001	002	•002	.007	•001		3 4	•126 •119
-4.000	•012	•000	004	•001	.006	.002	•087	5	•106
				•002	.015	.182	•087	6	
-3.500	•047	•005	•000						.087
-3.000	•047	•005	•046	•072	•155	•231	•082	7	285
-3.000 -2.750	•047 •100 •116	•005 •066 •106	•046 •097	•072 •128	•155 •185	•218	•083	8	285 132
-3.000	•047	•005	•046 •097 •131	•072 •128 •154	•155 •185 •188	•218 •200	•083 •083	8 9	285 132 221
-3.000 -2.750 -2.500 -2.250 -2.000	.047 .100 .116 .123 .128	.005 .066 .106 .121 .129	.046 .097 .131 .142	•072 •128 •154 •160 •155	•155 •185 •188 •178 •165	•218 •200 •192 •185	•083 •083 •082 •080	8	285 132
-3.000 -2.750 -2.500 -2.250 -2.000 -1.750	.047 .100 .116 .123 .128 .124	.005 .066 .106 .121 .129 .130	.046 .097 .131 .142 .143	•072 •128 •154 •160 •155 •151	*155 *185 *188 *178 *165 *148	.218 .200 .192 .185	•083 •083 •082 •080 •081	8 9 10 11 12	- 285 - 132 - 221 - 309 - 335 102
-3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500	.047 .100 .116 .123 .128 .124 .127	.005 .066 .106 .121 .129 .130 .130	.046 .097 .131 .142 .143 .138	.072 .128 .154 .160 .155 .151	.155 .185 .188 .178 .165 .148	.218 .200 .192 .185 .183	.083 .083 .082 .080 .081	8 9 10 11 12 13	285 132 221 309 335 .102
-3.000 -2.750 -2.500 -2.250 -2.000 -1.750	.047 .100 .116 .123 .128 .124	.005 .066 .106 .121 .129 .130 .130	.046 .097 .131 .142 .143 .138 .132	.072 .128 .154 .160 .155 .151	.155 .185 .188 .178 .165 .148	.218 .200 .192 .185 .183 .176	.083 .083 .082 .080 .081 .082	8 9 10 11 12 13 14	285 132 221 309 335 .102 .103
-3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000	.047 .100 .116 .123 .128 .124 .127 .127 .107 .104	.005 .066 .106 .121 .129 .130 .130 .124 .120	.046 .097 .131 .142 .143 .138 .132 .122	• 072 • 128 • 154 • 160 • 155 • 151 • 141 • 128 • 131	155 185 188 178 165 148 146 149	.218 .200 .192 .185 .183 .176 .174	.083 .083 .082 .080 .081 .082 .082 .077	8 9 10 11 12 13	285 132 221 309 335 .102
-3.000 -2.750 -2.500 -2.250 -1.750 -1.500 -1.250 -1.000 750	.047 .100 .116 .123 .128 .124 .127 .122 .107 .104 .107	.005 .066 .106 .121 .129 .130 .130 .124 .120 .107	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131	• 072 • 128 • 154 • 160 • 155 • 151 • 141 • 128 • 131 • 137	•155 •185 •188 •178 •165 •148 •146 •149 •150 •154	.218 .200 .192 .185 .183 .176 .174 .165	.083 .083 .082 .080 .081 .082 .082 .077 .073	8 9 10 11 12 13 14 15 16 17	- 285 - 132 - 221 - 309 - 335 - 102 - 103 - 107 - 110 - 107 - 096
-3.000 -2.750 -2.500 -2.200 -1.750 -1.500 -1.250 -1.000750500	.047 .100 .116 .123 .128 .124 .127 .122 .107 .104 .107 .107	.005 .066 .106 .121 .129 .130 .130 .124 .120 .107 .110	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131	• 072 • 128 • 154 • 160 • 155 • 151 • 141 • 128 • 131 • 137 • 143 • 146	155 188 188 178 165 148 146 150 150	.218 .200 .192 .185 .183 .176 .174 .165 .162 .157	.083 .083 .082 .080 .081 .082 .077 .073 .079	8 9 10 11 12 13 14 15 16 17 18	- 285 - 132 - 221 - 309 - 335 102 103 107 110 107 096 028
-3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750	**************************************	.005 .066 .106 .121 .129 .130 .130 .124 .120 .107 .110	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131 .136 .140	• 072 • 128 • 154 • 160 • 155 • 151 • 141 • 128 • 131 • 137 • 143 • 149	•155 •188 •178 •165 •148 •146 •149 •150 •154 •153 •158	.218 .200 .192 .185 .183 .176 .174 .165 .162 .157 .159	.083 .083 .082 .080 .081 .082 .082 .077 .073 .079	8 9 10 11 12 13 14 15 16 17 18	- 285 - 132 - 221 - 309 - 335 - 102 - 103 - 107 - 110 - 107 - 096 - 028 - 231
-3.000 -2.750 -2.500 -2.250 -2.250 -1.300 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	.047 .100 .116 .123 .128 .124 .127 .127 .107 .104 .107 .107 .107 .1122 .125 .140	.005 .066 .106 .121 .129 .130 .130 .124 .120 .107 .110 .124 .127 .142	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131 .136 .140 .142	•072 •128 •154 •160 •155 •151 •141 •128 •131 •143 •144 •149 •145	155 188 188 178 165 148 146 150 150	.218 .200 .192 .185 .183 .176 .174 .165 .162 .157 .159	.083 .083 .082 .080 .081 .082 .077 .073 .079	8 9 10 11 12 13 14 15 16 17 18 19	- 285 - 132 - 221 - 309 - 335 102 103 107 110 107 096 028 - 231 - 209
-3.000 -2.750 -2.500 -2.500 -1.500 -1.500 -1.250 -1.000 -750 -625500	.047 .100 .116 .123 .128 .124 .127 .127 .107 .104 .107 .107 .107 .125 .140	.005 .066 .106 .121 .129 .130 .130 .124 .120 .107 .110	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131 .136 .140	• 072 • 128 • 154 • 160 • 155 • 151 • 141 • 128 • 131 • 137 • 143 • 149	155 188 178 165 148 146 149 150 153 153 153	.218 .200 .192 .185 .183 .176 .174 .165 .162 .157 .159	.083 .083 .082 .080 .081 .082 .077 .073 .079 .086	8 9 10 11 12 13 14 15 16 17 18	- 285 - 132 - 221 - 309 - 335 - 102 - 103 - 107 - 110 - 107 - 096 - 028 - 231
-3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.250 -1.250 -1.250 -3.750 -3	.047 .100 .116 .123 .128 .124 .127 .127 .107 .104 .107 .107 .104 .107 .122 .125 .140 .141 .148	.005 .066 .106 .121 .129 .130 .130 .124 .120 .107 .110 .124 .127 .130	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131 .136 .140 .147 .147 .152	•072 •128 •154 •160 •155 •151 •141 •128 •131 •137 •143 •149 •145	155 188 178 165 148 146 149 150 153 153 153 155 147	.218 .200 .192 .185 .183 .176 .174 .165 .162 .157 .159	.083 .083 .082 .080 .081 .082 .077 .073 .079 .086 .095	8 9 10 11 12 13 14 15 16 17 18 19 20 21	285 132 221 309 335 .102 .107 .110 .107 .096 231 209 174
-3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000750500375250125 .000	.047 .100 .116 .123 .128 .124 .127 .127 .107 .104 .107 .107 .107 .1122 .140 .141 .148	.005 .066 .106 .121 .129 .130 .124 .120 .107 .110 .124 .127 .142 .130	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131 .136 .140 .141 .147 .152	.072 .128 .154 .160 .155 .151 .141 .128 .137 .143 .146 .149 .145	155 188 178 165 1148 1146 1149 1150 1154 1153 1153 1153 1157	.218 .200 .192 .185 .183 .176 .174 .165 .162 .157 .159	* 083 • 083 • 082 • 080 • 081 • 082 • 077 • 073 • 079 • 095 • 103 • 108 • 108 • 108	8 9 10 11 12 13 14 15 16 17 18 19 20 21	285 132 221 309 335 .102 .107 .110 .107 .096 231 209 174
-3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000750 -625500 -2.3752501250250250250250275500	**O47*** **100 **116*** **128*** **124*** **127*** **127*** **107*** **107*** **107*** **107*** **107*** **107*** **107*** **1125*** **140*** **141** **148*** **-122*** **145*** **148*** **-1125*** **148** **-1125*** **148** **-1125*** **-1148** **-1148** **-1148**	.005 .066 .106 .121 .129 .130 .124 .120 .107 .110 .124 .127 .142 .130	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131 .140 .140 .142 .141 .147 .152	.072 .128 .154 .160 .155 .151 .141 .128 .137 .143 .144 .145 .147	1155 1185 1188 1178 1165 1148 1146 1149 1150 1153 1153 1153 1158 1155 1147 1151	.218 .200 .192 .185 .183 .176 .177 .155 .162 .157 .156 .150	*083 *082 *080 *081 *082 *077 *073 *079 *086 *095 *108 *106	8 9 10 11 12 13 14 15 16 17 18 19 20 21	285 132 221 309 335 .102 .107 .110 .107 .096 231 209 174
-3.000 -2.750 -2.500 -2.200 -1.750 -1.500 -1.250 -1.000 -750 -1.500 -1.250 -1.500 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750	.047 .100 .116 .123 .128 .127 .127 .127 .107 .107 .107 .107 .107 .1140 .141 .148	.005 .006 .106 .121 .129 .130 .124 .120 .107 .110 .124 .127 .142 .130	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131 .136 .140 .141 .147 .152	072 128 154 160 155 151 141 128 131 143 144 149 145 147	155 188 178 165 148 146 146 150 154 153 153 155 147 191	218 2200 192 185 183 176 174 165 162 157 159 156	.083 .083 .082 .080 .081 .082 .082 .077 .073 .079 .095 .103 .108 .108 .108 .108	8 9 10 11 12 13 14 15 16 17 18 19 20 21	285 132 221 309 335 .102 .107 .110 .107 .096 231 209 174
-3.000 -2.750 -2.500 -2.2500 -1.750 -1.500 -1.250 -1.000750625500125 .000750125 .000	.047 .100 .116 .123 .128 .124 .127 .122 .107 .104 .107 .107 .122 .125 .140 .141 .148 .141 .148 .141 .145 .145 .145 .145 .145	.005 .006 .006 .106 .121 .129 .130 .124 .120 .107 .110 .124 .130 .127 .142 .130	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131 .140 .140 .142 .141 .147 .152	.072 .128 .154 .160 .155 .151 .141 .128 .137 .143 .144 .145 .147	1155 1185 1188 1178 1165 1148 1146 1149 1150 1153 1153 1153 1158 1155 1147 1151	.218 .200 .192 .185 .183 .176 .177 .155 .162 .157 .156 .150	*083 *082 *080 *081 *082 *077 *073 *079 *086 *095 *108 *106	8 9 10 11 12 13 14 15 16 17 18 19 20 21	285 132 221 309 335 .102 .107 .110 .107 .096 231 209 174
-3.000 -2.750 -2.500 -2.500 -2.250 -2.000 -1.750 -1.250	.047 .100 .116 .123 .128 .124 .127 .122 .107 .104 .107 .107 .1122 .125 .140 .141 .148 .148 .111 .053 .092	.005 .066 .106 .121 .129 .130 .124 .120 .107 .110 .124 .127 .142 .130 .198 .115 .159 .161 .147 .093 .047	.046 .097 .131 .142 .143 .138 .132 .122 .121 .136 .140 .142 .141 .147 .152	072 128 154 160 155 151 141 128 131 143 149 145 147 -091 -110 -131 -146 -114 -110	155 188 188 178 165 148 146 146 150 153 153 158 157 1151	-218 -200 -192 -185 -183 -174 -165 -162 -157 -159 -156 -150 -148	.083 .083 .082 .080 .081 .082 .077 .073 .079 .086 .095 .108 .108 .106 .108 .106 .108 .106	8 9 10 11 12 13 14 15 16 17 18 19 20 21	- 285 - 132 - 221 - 309 - 335 - 102 - 103 - 107 - 110 - 107 - 096 - 231 - 209 - 174
-3.000 -2.750 -2.500 -2.2500 -1.750 -1.500 -1.250 -1.250 -1.250 -1.250 -1.250 -1.750 -1.250	.047 .100 .116 .123 .128 .124 .127 .122 .107 .104 .107 .107 .107 .122 .125 .140 .141 .148 .141 .148 .141 .148 .141 .148	.005 .006 .006 .106 .121 .129 .130 .124 .120 .107 .110 .124 .130 .198 .198 .115 .159 .161 .147 .039 .047	.046 .097 .131 .142 .143 .138 .132 .122 .121 .136 .140 .142 .141 .147 .152	.072 .128 .154 .160 .155 .151 .141 .128 .137 .143 .146 .149 .145 .147	155 188 178 165 148 146 149 150 153 153 153 155 147 151	-218 -220 -192 -185 -183 -174 -165 -157 -159 -156 -150 -148	.083 .083 .082 .080 .081 .082 .077 .073 .079 .086 .095 .103 .108 .106 .2247 .234 .2139 .2443 .037 .007 .006	8 9 10 11 12 13 14 15 16 17 18 19 20 21	- 285 - 132 - 221 - 309 - 335 - 102 - 103 - 107 - 110 - 107 - 096 - 231 - 209 - 174
-3.000 -2.750 -2.500 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.500 -1.250 -1.500 -1.250 -1.500 -1.250	.047 .100 .116 .123 .128 .124 .127 .127 .104 .107 .107 .107 .107 .140 .141 .148 .148 .141 .148 .141 .149 .1097 .092 .050	.005 .066 .106 .121 .129 .130 .124 .120 .107 .110 .124 .127 .142 .130 .198 .159 .161 .147 .093 .047 .039 .048	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131 .140 .142 .141 .147 .152 .095 .130 .155 .150 .122 .088 .068	072 128 154 160 155 151 141 128 137 143 145 147 -091 -110 -111 -146 -114 -037 053	155 188 188 178 165 148 146 146 150 153 153 153 158 155 147 151	-218 -200 -192 -185 -183 -174 -165 -157 -159 -156 -150 -148	*083 *083 *082 *080 *081 *082 *077 *073 *079 *086 *095 *103 *106 *106 *106 *107 *108 *108 *108 *108 *108 *109 *109 *109 *109 *109 *109 *109 *109	8 9 10 11 12 13 14 15 16 17 18 19 20 21	- 285 - 132 - 221 - 309 - 335 - 102 - 103 - 107 - 110 - 107 - 096 - 231 - 209 - 174
-3.000 -2.750 -2.500 -2.2500 -1.750 -1.500 -1.250 -1.250 -1.250 -1.250 -1.250 -1.750 -1.250	.047 .100 .116 .123 .128 .124 .127 .122 .107 .104 .107 .107 .107 .122 .125 .140 .141 .148 .141 .148 .141 .148 .141 .148	.005 .006 .006 .106 .121 .129 .130 .124 .120 .107 .110 .124 .130 .198 .115 .159 .161 .147 .093 .047 .039 .048 .055	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131 .140 .140 .147 .152 .150 .155 .150 .150 .150 .150 .150 .150	.072 .128 .154 .160 .155 .151 .141 .128 .137 .143 .146 .149 .145 .147 .147 .147 .146 .149 .145	155 188 188 148 148 146 149 150 153 153 153 155 147 151 151 1090 -098 -103 -071 -068 -071 -068	-118 -218 -220 -192 -183 -176 -183 -174 -165 -157 -156 -150 -148044 -032 -023 -053 -089 -108	** 083 *** 083 *** 082 *** 080 *** 081 *** 082 *** 077 *** 079 *** 086 *** 095 *** 103 *** 106 *** 021 *** 027 *** 006 *** 021 *** 028	8 9 10 11 12 13 14 15 16 17 18 19 20 21	- 285 - 132 - 221 - 309 - 335 - 102 - 103 - 107 - 110 - 107 - 096 - 231 - 209 - 174
-3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.250 -2.500 -3.75 -250 -3.75 -250 -3.75 -5.00 -3.75 -5.00 -3.75 -5.00 -3.75 -5.00 -3.75 -5.00 -3.75 -5.00 -3.75 -5.00 -3.75 -5.00 -3.75 -5.00 -3.75 -5.00 -3.75 -5.00 -3.75 -3.00 -3.0	.047 .100 .116 .128 .128 .127 .127 .127 .107 .107 .107 .107 .107 .1125 .140 .141 .148 .148 .1141 .148 .148 .1145 .148 .149 .149 .149 .149 .149 .149 .149 .149	.005 .066 .106 .121 .129 .130 .124 .120 .107 .110 .124 .127 .110 .124 .130 .198 .159 .161 .147 .093 .047 .093 .050 .050	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131 .140 .140 .147 .152 095 150 150 150 150 150 150 150 150 150 150 150 150 150	.072 .128 .154 .160 .155 .151 .141 .128 .137 .143 .144 .147 .147 .147 .147 .147 .147 .147	155 188 188 178 165 148 146 146 150 153 153 153 158 155 147 151	-118 -218 -200 -192 -183 -176 -183 -174 -185 -187 -189 -186 -180 -180 -180 -180 -180 -180 -180 -180	*083 *083 *082 *080 *081 *082 *077 *073 *079 *086 *095 *103 *106 *106 *106 *107 *108 *108 *108 *108 *108 *109 *109 *109 *109 *109 *109 *109 *109	8 9 10 11 12 13 14 15 16 17 18 19 20 21	- 285 - 132 - 221 - 309 - 335 - 102 - 103 - 107 - 110 - 107 - 096 - 231 - 209 - 174
-3.000 -2.750 -2.500 -2.500 -2.250 -2.000 -1.750 -1.250 -1.250 -2.500 -3.75 -2.50 -3.75 -2.50 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.750 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500 -3.500	.047 .100 .116 .123 .128 .127 .127 .127 .107 .107 .107 .107 .107 .107 .140 .141 .148 .148 .141 .145 .145 .145 .145 .1053 .097 .092 .056 .0051 .0069	.005 .066 .106 .121 .129 .130 .124 .120 .107 .110 .124 .127 .142 .130 .198 .115 .159 .161 .147 .093 .047 .093 .050 .053	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131 .136 .140 .141 .147 .152 .095 .150 .150 .150 .150 .150 .161 .048 .048 .061	072 128 154 160 155 151 141 128 131 137 143 146 149 145 147 -091 -110 -1131 -146 -114 037 053 044 030 038	155 188 178 165 148 146 146 150 153 153 153 155 147 151 100 100 100 100 100 100 100 100 100	-218 -220 -192 -185 -183 -174 -165 -157 -156 -150 -148	** 083 *** 083 *** 082 *** 082 *** 081 *** 082 *** 077 *** 079 *** 095 *** 103 *** 108	8 9 10 11 12 13 14 15 16 17 18 19 20 21	- 285 - 132 - 221 - 309 - 335 - 102 - 103 - 107 - 110 - 107 - 096 - 231 - 209 - 174
-3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.500 -2.250 -2.500 -3.75 -2.50 -1.500 -1.500 -1.500 -1.500 -2.50 -2.50 -2.750 -2.500 -2.750 -2.500 -2.750 -2.500 -2.750 -2.500 -2.750 -2.500 -2.750 -2.500 -2.750 -2.500 -2.750 -2.500 -2.750 -2.500 -2.750 -2.500 -2.750 -2.500 -2.750 -2.500 -2.750 -2.500 -2.750 -2.500	.047 .100 .116 .123 .128 .124 .127 .122 .107 .104 .107 .107 .107 .1122 .125 .140 .141 .148 .114 .148 .1141 .053 .097 .092 .056 .059	.005 .066 .106 .121 .129 .130 .124 .120 .107 .110 .124 .127 .142 .130 .198 .115 .147 .147 .093 .047 .093 .055 .055 .055	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131 .140 .140 .142 .141 .147 .150 .155 .155 .155 .150 .168 .061 .068 .061 .047 .047 .047 .037	.072 .128 .154 .160 .155 .151 .141 .128 .137 .143 .145 .147 .147 .147 .147 .147 .147 .147 .148 .149 .145 .147		-128 -200 -192 -185 -183 -176 -174 -165 -157 -159 -156 -150 -148	.083 .083 .082 .080 .081 .082 .082 .077 .073 .079 .086 .095 .103 .106 .103 .106 .2247 .2244 .219 .2243 .037 .006 .006 .006 .006 .006 .006 .006 .00	8 9 10 11 12 13 14 15 16 17 18 19 20 21	- 285 - 132 - 221 - 309 - 335 - 102 - 103 - 107 - 110 - 107 - 096 - 231 - 209 - 174
-3.000 -2.750 -2.500 -2.2500 -1.750 -1.500 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.500 -1.750 -1.250 -	.047 .100 .116 .123 .128 .127 .127 .127 .107 .107 .107 .107 .107 .107 .1140 .141 .148 .148 .145 .145 .145 .145 .145 .1097 .0907 .0907 .0069 .0059 .0056	.005 .066 .106 .121 .129 .130 .124 .120 .107 .110 .124 .127 .142 .130 .198 .115 .159 .161 .147 .093 .047 .039 .055 .050 .047 .047	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131 .136 .140 .141 .147 .152 .095 .130 .1155 .122 .088 .061 .048 .047 .042 .037 .047 .042	-072 -128 -154 -160 -155 -151 -141 -128 -137 -143 -149 -149 -145 -147 -091 -110 -1131 -146 -114 -037 -053 -044 -038 -039 -027 -029 -024 -022		-218 -220 -192 -185 -183 -174 -165 -157 -159 -156 -150 -148	.083 .083 .082 .080 .081 .082 .082 .077 .073 .079 .086 .095 .103 .106 .103 .106 .2247 .2244 .219 .2243 .037 .006 .006 .006 .006 .006 .006 .006 .00	8 9 10 11 12 13 14 15 16 17 18 19 20 21	- 285 - 132 - 221 - 309 - 335 - 102 - 103 - 107 - 110 - 107 - 096 - 231 - 209 - 174
-3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1	.047 .100 .116 .123 .128 .127 .127 .127 .107 .107 .107 .107 .107 .122 .125 .140 .141 .148 .141 .148 .141 .149 .141 .1053 .097 .097 .096 .0050 .0050 .0050 .0050 .0050 .0050 .0050 .0050 .0050	.005 .066 .106 .121 .129 .130 .124 .120 .107 .110 .124 .127 .142 .130 .198 .115 .147 .147 .093 .047 .093 .055 .055 .055	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131 .140 .140 .142 .141 .147 .150 .155 .155 .155 .150 .168 .061 .068 .061 .047 .047 .047 .037	.072 .128 .154 .160 .155 .151 .141 .128 .137 .143 .145 .147 .147 .147 .147 .147 .147 .147 .148 .149 .145 .147		-128 -200 -192 -185 -183 -176 -174 -165 -157 -159 -156 -150 -148	.083 .083 .082 .080 .081 .082 .082 .077 .073 .079 .086 .095 .103 .106 .103 .106 .2247 .2244 .219 .2243 .037 .006 .006 .006 .006 .006 .006 .006 .00	8 9 10 11 12 13 14 15 16 17 18 19 20 21	- 285 - 132 - 221 - 309 - 335 - 102 - 103 - 107 - 110 - 107 - 096 - 231 - 209 - 174
-3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.500 -1.250 -1.500 -1.250 -1.500 -1.2500 -1.2500	.047 .100 .116 .123 .128 .124 .127 .122 .107 .104 .107 .107 .1122 .125 .140 .141 .148 .114 .148 .111 .053 .092 .056 .059 .059 .059 .070	.005 .066 .106 .121 .129 .130 .124 .120 .107 .110 .124 .127 .142 .130 .198 .115 .159 .161 .147 .093 .047 .055 .055 .055 .055 .055	.046 .097 .131 .142 .143 .138 .132 .122 .121 .131 .140 .142 .141 .147 .152 .150 .155 .155 .155 .150 .168 .061 .047 .068 .068 .068 .068 .068 .068 .068 .068	072 128 154 160 155 151 141 128 131 143 144 149 145 147 -091 -110 -131 -146 -114 -044 037 053 038 039 027 029		-218 -200 -192 -185 -183 -174 -165 -157 -156 -150 -148	.083 .083 .082 .080 .081 .082 .082 .077 .073 .079 .086 .095 .103 .106 .103 .106 .2247 .2244 .219 .2243 .037 .006 .006 .006 .006 .006 .006 .006 .00	8 9 10 11 12 13 14 15 16 17 18 19 20 21	- 285 - 132 - 221 - 309 - 335 - 102 - 103 - 107 - 110 - 107 - 096 - 231 - 209 - 174

Table 17
Plate and Spoiler Pressure Coefficients

Configuration 8 M=1.61 $R=0.56 \times 10^6$

		Config	uration 8	M= 1	•61	R= 0.56	X 10 6		
		8,000	11 13 17 18	Plate	TI TANGANT	32(.81	7	Spo	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	00 0				
-6.000	.010	•009	•004	•015	•267	•246	7,34	1	•557
-5.500 -5.000	.010	•007	•006	•079	•322	• 246		2	• 484
-4.500	.049	.007 .081	•018 •276	•368	•344	•246		3 4	• 463
-4.000	•326	•329	•367	•391	•379	•218	•320	5	.554
-3.500	•387	•387	•399	• 404	•391	•241	•387	6	•664
-3.000	•411	•407	•412	.418	•392	.282	• 410	7	• 442
-2.750	•419	•418	.416	• 424	•387	•304	• 414	8	355
-2.500	• 423	• 420	•420	• 422	•380	•326	• 420	9	355
-2.250	• 429	• 424	•423	• 417	•370	•345	• 424	10	357
-2.000 -1.750	•429	• 425 • 425	•422	•410	•362 •360	•367	• 427	11 12	353 .594
-1.500	423	•416	•401	•380	.365	• 425	• 425	13	•502
-1.250	.398	• 399	•380	•367	•379	• 458	• 396	14	. 480
-1.000	•386	•379	• 375	•371	•397	.500	•374	15	•523
750	•378	•371	•379	•393	•435	•548	•370	16	.612
- • 625	•387	•379	•392	•410	• 462	•576	•380	17	• 743
500	• 401	• 396	• 417	• 441	•498	•605	• 400	18	.819
-•375 -•250	•434	• 433	• 455	. 486	•542	•636	• 440	19	354
125	598	•492	•516 •615	.548	•605 •638	•643	•517 •641	21	357 358
•000	•610	•607	•610	•610	.609	•606	•650	22	357
• 250	352	357	347	347			267		
•375	352	361	350	351	345		357 360		
•500	355	361	354	353	348		363		
• 750	357	365	354	355	350	351	362	1885	
1.000	352	353	353	355	351	353	355		
1.250	337	342	341	344	351	353	336		
1.500	310	315	322	338	353	355	309	A-	
1.750	-•267 -•246	281	295	326	352	354	280		
2.250	217	250 221	264	310	-•348 -•339	353	245 217		
2.500	188	187	229	271	328	354	188		
2.750	164	172	202	247	314	354	165		
3.000	146	153	183	220	300	356	144		
3.500	109	122	141	178	270	355			
4.000	083	102	114	145	244	350			
4.500	071	086	094	119	213	342			
5.000	057	077	075	097	185	331 301			
5 • 500	055 041	066 056	061	075	150 099	247			
					15°				-
				100000					
-6.000 -5.500	•010	•007 •005	•008	.012 .014	.021 .233	•235 •267		1 2	• 477
-5.000	•010	•007	•009	.189	•335	•272		3	• 405
-4.500	•138	•129	• 247	•351	•362	•277		4	• 422
-4.000	•337	•340	•369	• 392	•385	.205	•337	5	. 462
-3.500	•380	•387	•400	.406	•376	.217	•376	6	.533
-3.000	•393	• 396	• 408	• 415	•332	•262	•393	7	• 283
-2.750	•397	• 409	• 414	•402	•316	• 287	•399	8	351
-2.500	•399	• 407	•410	• 386	•309	•307	• 405	9	353
-2.250 -2.000	• 404	• 407	•402	• 369 • 354	•305 •310	•335 •360	• 408 • 412	10	353 345
-1.750	•398	• 394	• 378	.347	•317	•388	•413	12	• 543
-1.500	•390	• 386	•367	•338	•330	•410	• 409	13	.479
-1.250	•372	.374	•357	• 336	•344	•435	•394	14	. 463
-1.000	•371	•361	•351	. •343	•345	.464	•373	15	• 494
750	• 356	•352	•352	•357	•392	•496	•368	16	•562
- 0625	•356	• 354	• 358	• 371	•414	•510	•378	17	• 656
	•364	*363	• 375	• 393	•441	•531	•396	18	•692
500		• 386	• 400 • 451	• 426 • 476	• 476 • 523	•549 •553	• 428 • 486	19	342 346
500 375	•392	4431		-410		• 222		21	
500 375 250	•392 •427	•431			1549		15/5		
500 375	•392	•431 •531	•529 •535	•534	•549 •535	•533	• 575 • 579	22	343 343
500 375 250 125 .000	•392 •427 •514 •531	•531	•529 •535			•533	• 579		343
500 375 250 125 .000	•382 •427 •514 •531	•531	•529 •535 ••343	346		•533			343
500 375 250 125 .000	•392 •427 •514 •531	•531	•529 •535		•535	•533	• 579 -• 344		343
500 375 250 125 .000	• 392 • 427 • 514 • 531 • • 351 • • 353	•531 -•350 -•355	•529 •535 ••343 ••349	346 350	•535	•533	•579 -•344 -•345		343
500 375 250 125 .000 .250 .375 .500 .750 1.000	• 392 • 427 • 514 • 531 • 351 • 353 • 357 • 362 • 350	•531 -•350 -•355 -•358 -•362 -•348	•529 •535 -•343 -•349 -•352 -•354 -•353	346 350 351 353 353	•535 -•342 -•343 -•346 -•346	-•343 -•343	• 579 - • 344 - • 345 - • 347 - • 350 - • 346		343
500 375 250 125 .000 .250 .375 .500 .750 1.000 1.250	• 392 • 427 • 514 • 531 • • 351 • 353 • 357 • 362 • 350 • 329	•531 -•350 -•355 -•358 -•362 -•348 -•335	•529 •535 -•343 -•349 -•352 -•354 -•353 -•343	346 350 351 353 353	•535 -•342 -•343 -•346 -•346	-•343 -•343 -•343	-344 -345 -347 -350 -346 -334		343
500 375 250 125 .000 .250 .375 .500 .750 1.000 1.250 1.500	• 392 • 427 • 514 • 531 • 351 • 353 • 357 • 362 • 350 • 329 • 300	•531 •350 •355 -358 •362 -348 -335 -312	•529 •535 -•343 ••349 ••352 ••354 ••353 ••343 ••325	346 350 351 353 353 342 335	•535 -•342 -•343 -•346 -•346 -•346 -•346	-•343 -•343 -•343	- 344 - 345 - 347 - 350 - 346 - 334 - 313		343
500 375 250 125 000 375 500 750 1-250 1-750	**392 **427 **514 **531 **531 ***353 ***357 ***362 ***350 ***329 ***252	•531350355358362348335312282	•529 •535 ••343 ••349 ••352 ••354 ••353 ••343 ••325 ••303	346 350 351 353 353 342 335	-342 -343 -346 -346 -346 -344 -344	343 343 343 343	-344 -345 -347 -350 -346 -334 -313 -286		343
500 375 250 125 000 	*392 *427 *514 *531 *353 *353 *357 *362 *362 *360 *329 *329 *329 *252 *228	•531 -:350 -:355 -:358 -:362 -:348 -:335 -:312 -:282 -:252	•529 •535 -•343 -•349 -•352 -•353 -•353 -•343 -•325 -•303 -•274	346 350 351 353 353 353 353 323 323	-342 -343 -346 -346 -346 -344 -344 -342	343 343 343 343 343	.579344345347350346334313286		343
	*392 *427 *514 *531 *531 *353 *357 *357 *357 *350 *329 *300 *2252 *228	•531350355358362348335212282252223	• 529 • 535 • 343 • 349 • 352 • 354 • 353 • 325 • 303 • 274 • 268	- 346 - 350 - 351 - 353 - 353 - 342 - 342 - 323 - 323 - 329	•535 -•342 -•343 -•346 -•346 -•344 -•344 -•342 -•336	343 343 343 343 343	.5793443453473503463313286257231		343
500 375 250 125 000 	* 392 * 427 * 514 * 531 - * 351 - * 353 - * 357 - * 362 - * 350 - * 329 - * 300 - * 252 - * 228 - * 191	•531 -•350 -•355 -•358 -•362 -•348 -•335 -•312 -•282 -•282 -•252 -•183	• 529 • 535 • 343 • 349 • 352 • 354 • 353 • 343 • 325 • 303 • 274 • 268 • 227	346 350 351 353 353 342 335 323 310 293	-342 -343 -346 -346 -346 -344 -344 -342	343 343 343 343 343	.579344345347350346334313286257221206		343
- 500 - 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 - 250 1 - 500 1 - 750 2 - 000 2 - 250 2 - 250 2 - 350 3 - 300 3 -	**392 **427 **514 **531 ***531 ***353 ***357 ***352 ***350 ***329 ***300 ***252 ***228 ***191 ***138	•531350355358362348335212282252223	• 529 • 535 • 343 • 349 • 352 • 354 • 353 • 325 • 303 • 274 • 268	- 346 - 350 - 351 - 353 - 353 - 342 - 342 - 323 - 323 - 329	•535 -•342 -•343 -•346 -•346 -•344 -•344 -•342 -•336 -•329	- 343 - 343 - 343 - 343 - 343 - 340 - 338 - 340	.5793443453473503463313286257231		343
- 5000 - 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 - 250 1 - 750 1 - 750 2 - 250 2 - 250 2 - 250 2 - 250 3 - 3000 3 - 3000	**392 **427 **514 **531 ***351 **353 **357 **359 **329 **300 **252 **228 **191 ***1187 ***1187 ***084	*531 -*350 -*355 -*358 -*362 -*348 -*335 -*312 -*282 -*252 -*223 -*183 -*171 -*147 -*111	• 529 • 535 • 343 • 349 • 352 • 353 • 343 • 325 • 303 • 274 • 268 • 227 • 203 • 181 • 144	- 346 - 350 - 351 - 353 - 363 - 342 - 323 - 310 - 293 - 275 - 287 - 288 - 200	-342 -343 -346 -346 -346 -344 -342 -3329 -321 -310	343 343 343 343 341 340 338 340	.5793443453473503343132862257231206182		343
- 500 - 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 - 250 1 - 250 1 - 250 2 - 250 2 - 250 2 - 250 3 - 300 4 -	* 392 * 427 * 514 * 531 - * 351 - * 353 - * 357 - * 362 - * 359 - * 300 - 2252 - * 2191 - 1648 - 117 - 084 - 0056	+531 -350 -355 -358 -358 -348 -335 -312 -282 -252 -183 -171 -147 -111 -086	• 529 • 535 • 343 • 352 • 352 • 353 • 325 • 303 • 274 • 268 • 237 • 203 • 181 • 114 • 115	- 346 - 350 - 351 - 353 - 353 - 342 - 335 - 323 - 323 - 275 - 227 - 28 - 200 - 167	-344 -344 -346 -346 -344 -344 -342 -329 -321 -321 -327 -327	- • 3 4 3 - • 3 4 0 - • 3 3 8 - • 3 4 3 - • 3 4 3	.5793443453473503343132862257231206182		343
- 500 - 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 - 500 1 - 750 2 - 250 2 - 250 2 - 250 2 - 250 3 - 300 4 - 300 4 - 500 4 - 500 5 - 500 6 -	**392 **427 **514 **531 **351 **353 **357 **350 **329 **329 **300 **2528 **191 **1138 **117 **0084 **0084	*531 -*350 -*355 -*358 -*362 -*348 -*335 -*312 -*282 -*223 -*171 -*147 -*111 -*086	• 529 • 535 • 343 • 349 • 352 • 353 • 353 • 325 • 303 • 274 • 268 • 203 • 181 • 144 • • 115 • • 1095	- 346 - 350 - 351 - 353 - 353 - 342 - 325 - 323 - 310 - 293 - 275 - 257 - 267 - 167	-535 -342 -343 -346 -346 -344 -344 -344 -342 -335 -329 -321 -321 -327 -324 -324 -329		.5793443453473503343132862257231206182		343
- 500 - 375 - 250 - 125 - 000 - 250 - 375 - 500 - 750 1 - 250 1 - 250 1 - 250 2 - 250 2 - 250 2 - 250 3 - 300 4 -	* 392 * 427 * 514 * 531 - * 351 - * 353 - * 357 - * 362 - * 359 - * 300 - 2252 - * 2191 - 1648 - 117 - 084 - 0056	+531 -350 -355 -358 -358 -348 -335 -312 -282 -252 -183 -171 -147 -111 -086	• 529 • 535 • 343 • 352 • 352 • 353 • 325 • 303 • 274 • 268 • 237 • 203 • 181 • 114 • 115	- 346 - 350 - 351 - 353 - 353 - 342 - 335 - 323 - 323 - 275 - 227 - 28 - 200 - 167	-344 -344 -346 -346 -344 -344 -342 -329 -321 -321 -327 -327	- • 3 4 3 - • 3 4 0 - • 3 3 8 - • 3 4 3 - • 3 4 3	.5793443453473503343132862257231206182		343

Table 17 Continued
Plate and Spoiler Pressure Coefficients Configuration 8 M= 1.61 R= 0.56 × 106

VIN	D-: 0			Plate				Spoi	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	30°				
-6.000 -5.500	•008	•005	•007 •005	•011 •013	•016 •018	•014		1	4573
-5.000						•014		1 2	• 573
-4.500	•007	•004	•004	.010	*066	•274		3	• 420
-4.000	•215	•058	•040	•183	•327	•314		4	• 429
-3.500	• 345 • 374	•318	• 320	• 353	•385	•301	•344	5	•506
-3.000	•376	• 374 • 385	•380	• 393	• 406	•198	• 345	6	•648
-2.750	•382	•392	•397	•407	•322	•230	• 344	7	.375
-2.500	•381	•387	•385	• 345	•241	•240 •253	•344	8	384
-2.250	•369	•370	•351	• 293	•228	•302	•336	10	400
-2.000	•337	•332	.305	.248	•223	.370	• 328	11	394
-1.750	•295	•287	•258	•230	•230	.460	•313	12	.373
-1.500	•250	•241	• 226	.215	•239	•538	•293	13	.314
-1.250	•210	•215	•212	.215	•274	•613	•272	14	.299
-1.000	•203	• 204	•219	.233	•339	.679	.251	15	.317
750	•214	•217	• 246	•297	• 460	•723	.236	16	• 357
625	•240	• 250	• 284	•361	•528	•723	•239	17	• 405
500	•283	•312	• 356	.443	•593	•723	.246	18	.392
375	•383	• 400	• 456	•540	•651	•696	•271	19	308
250	•508	•523	•570	.615	•678	•654	•324	20	306
125	•631		•651		•634		• 415	21	302
•000	•609	•606	•611	•610	•613	•611	• 408	22	304
• 250	382	378	364	359			305		
• 375	394	390	370	359	-•341		310		
•500 •750	409	402	379	362	336		308		
1.000	-•391 -•352	393	388	373	340	-•320	308		
1.250	352	-•350 -•317	-•376 -•338	372	339	310 305	309		
1.500	280	278	298	348	-•337 -•335	305	302		
1.750	224	235	257	306	329		- • 283		
2.000	196	197	220	279	321	305	257		
2 • 250	171	169	192	252	310	303	226 199		
2.500	149	143	165	232	300	304	174		
2.750	128	128	146	213	286	306	151		
3.000	099	112	128	190	274	309	129		
3.500	040	092	097	155	246	303	***		
4.000	•032	062	077	126	220	300			
4.500	•076	039	065	104	195	298			
5.000	•060	012	049	084	173	284			
5.500	•043	•021	042	071	159	276			
6.000	•037	•053	034	058	147	261			
				Λ= 4	5				11 - 5
-6.000	•011	•006	•003	•012	•017	•014		1	•629
-5.500	•010	•006	•005	.008	•016	.016		2	.619
-5:000	•009	•004	•002	•006	•016	.010		3	.613
-4.500	•019	•005	•003	•012	*017	.244		4	.636
-4:000	•258	•103	•035	•125	•302	•363	•313	5	.684
-3.500	•325	•307	•302	• 336	•380	•279	•316	6	•729
-3.000	•343	•344	•353	•372	•378	•211	•312	7	064
		•349	•358	•380	•317	•228	•314	8	
-2.750	•347								435
-2.500	•353	• 355	•365	• 360	•242	•261	•313	9	435 438
-2.500 -2.250	•353 •350	• 355 • 354	•365 •350	•311	•242 •210	•261 •350	• 299	10	- 435 - 438 - 436
-2.500 -2.250 -2.000	•353 •350 •325	• 355 • 354 • 327	•365 •350 •310	•311	•242 •210 •208	• 261 • 350 • 466	•299 •279	10 11	- 435 - 438 - 436 - 429
-2.500 -2.250 -2.000 -1.750	• 353 • 350 • 325 • 285	• 355 • 354 • 327 • 282	•365 •350 •310 •249	•311 •244 •211	•242 •210 •208 •223	• 261 • 350 • 466 • 589	•299 •279 •248	10 11 12	- 435 - 438 - 436 - 429 - 353
-2.500 -2.250 -2.000 -1.750 -1.500	• 353 • 350 • 325 • 285 • 231	•355 •354 •327 •282 •222	•365 •350 •310 •249 •205	•311 •244 •211 •200	•242 •210 •208 •223 •266	•261 •350 •466 •589 •662	.299 .279 .248 .213	10 11 12 13	435 438 436 429 . 353 . 318
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250	• 353 • 350 • 325 • 285 • 231 • 182	• 355 • 354 • 327 • 282 • 222 • 192	.365 .350 .310 .249 .205	• 311 • 244 • 211 • 200 • 217	•242 •210 •208 •223 •266 •359	• 261 • 350 • 466 • 589 • 662 • 706	.299 .279 .248 .213	9 10 11 12 13 14	435 438 436 429 . 353 . 318 . 280
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000	.353 .350 .325 .285 .231 .182	.355 .354 .327 .282 .222 .192 .202	.365 .350 .310 .249 .205 .194	•311 •244 •211 •200 •217 •287	•242 •210 •208 •223 •266 •359 •484	• 261 • 350 • 466 • 589 • 662 • 706 • 726	.299 .279 .248 .213 .178	9 10 11 12 13 14 15	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750	.353 .350 .325 .285 .231 .182 .191	.355 .354 .327 .282 .222 .192 .202	365 350 310 249 205 194 229 325	.311 .244 .211 .200 .217 .287	•242 •210 •208 •223 •266 •359 •484 •606	.261 .350 .466 .589 .662 .706 .726	.299 .279 .248 .213 .178 .157	9 10 11 12 13 14 15	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750	.353 .350 .325 .285 .231 .182 .191 .251	.355 .354 .327 .282 .222 .192 .202 .266 .349	.365 .350 .310 .249 .205 .194 .229 .325	.311 .244 .211 .200 .217 .287 .423	• 242 • 210 • 208 • 223 • 266 • 359 • 484 • 606	.261 .350 .466 .589 .662 .706 .726 .723	.299 .279 .248 .213 .178 .157 .160	9 10 11 12 13 14 15 16 17	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 393
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750 625 500	.353 .350 .325 .285 .231 .182 .191 .251 .324	.355 .354 .327 .282 .222 .192 .202 .266 .349	365 350 310 249 205 194 229 325 406	.311 .244 .211 .200 .217 .287 .423 .505	242 210 208 223 266 359 484 606 636	• 261 • 350 • 466 • 589 • 662 • 706 • 726 • 723 • 710 • 703	.299 .279 .248 .213 .178 .157 .160 .175	9 10 11 12 13 14 15 16 17	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 393 - 404
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750 625 500	.353 .350 .325 .285 .231 .182 .191 .251 .324 .423	.355 .354 .327 .282 .222 .192 .202 .266 .349 .423	.365 .350 .310 .249 .205 .194 .229 .325 .406 .501	.311 .244 .211 .200 .217 .287 .423 .505 .583	• 242 • 210 • 208 • 223 • 266 • 359 • 484 • 606 • 636 • 659 • 674	.261 .350 .466 .589 .662 .706 .726 .723 .710	.299 .279 .248 .213 .178 .157 .160 .175 .208	9 10 11 12 13 14 15 16 17 18	- 435 - 436 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 393 - 338
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750 625 500	.353 .350 .325 .285 .231 .182 .191 .251 .324 .423 .533	.355 .354 .327 .282 .222 .192 .202 .266 .349	.365 .350 .310 .249 .205 .194 .229 .325 .406 .501 .588	.311 .244 .211 .200 .217 .287 .423 .505	• 24 2 • 210 • 208 • 223 • 266 • 359 • 484 • 606 • 636 • 659 • 674	• 261 • 350 • 466 • 589 • 662 • 706 • 726 • 723 • 710 • 703	.299 .279 .248 .213 .178 .157 .160 .175 .208 .262	9 10 11 12 13 14 15 16 17 18 19	- 435 - 438 - 436 - 429 - 353 - 280 - 281 - 324 - 393 - 404 - 338 - 311
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250	.353 .350 .325 .285 .231 .182 .191 .251 .324 .423	.355 .354 .327 .282 .222 .192 .202 .266 .349 .423	.365 .350 .310 .249 .205 .194 .229 .325 .406 .501	.311 .244 .211 .200 .217 .287 .423 .505 .583	• 242 • 210 • 208 • 223 • 266 • 359 • 484 • 606 • 636 • 659 • 674	.261 .350 .466 .589 .662 .706 .726 .723 .710	.299 .279 .248 .213 .178 .157 .160 .175 .208	9 10 11 12 13 14 15 16 17 18	- 435 - 436 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 393 - 338
-2.500 -2.250 -2.000 -1.750 -1.5500 -1.250 -1.000 750 -625 500 375 250 125 000	353 350 325 285 285 231 182 191 251 324 423 533 612 650	• 355 • 354 • 327 • 282 • 222 • 192 • 202 • 266 • 349 • 423 • 544 • 611	365 350 310 249 205 194 325 406 501 588 658 658	.311 .244 .211 .200 .217 .287 .423 .505 .583 .634 .652	• 24 2 • 210 • 208 • 223 • 266 • 359 • 484 • 606 • 655 • 674 • 6657	.261 .350 .466 .589 .662 .706 .723 .710 .703 .685 .668	. 299 . 279 . 248 . 213 . 178 . 157 . 160 . 175 . 208 . 262 . 336 . 393 . 368	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -7.500 -3.75 -2.50 -1.25 -1.000 -3.75 -1.25 -1.25 -1.25 -1.25	. 353 . 350 . 325 . 285 . 231 . 182 . 191 . 251 . 324 . 423 . 653 . 635	*355 *354 *327 *282 *222 *202 *206 *349 *423 *544 *611	*365 *350 *310 *249 *205 *194 *225 *406 *501 *588 *633 *658	.311 .244 .211 .200 .217 .287 .423 .505 .583 .634 .652	*242 *210 *208 *223 *266 *359 *484 *606 *636 *674 *676 *657	.261 .350 .466 .589 .662 .706 .723 .710 .703 .685 .668	. 299 . 279 . 248 . 213 . 178 . 157 . 160 . 175 . 208 . 262 . 336 . 393 . 368	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750 -6.25 500 375 250 125 000	.353 .350 .325 .285 .231 .182 .191 .251 .324 .423 .533 .612 .650 .635	*355 *354 *327 *282 *222 *192 *202 *266 *349 *423 *544 *611 *630	*365 *350 *310 *249 *205 *194 *229 *325 *406 *501 *588 *633 *658 *632	*311 *244 *211 *200 *217 *287 *423 *505 *583 *634 *652	242 210 208 223 266 359 484 606 659 6674 6676	.261 .350 .466 .589 .662 .706 .723 .710 .703 .685 .668	. 299 . 279 . 248 . 213 . 178 . 157 . 160 . 175 . 208 . 262 . 393 . 368 . 368	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -7.500 -3.75 -2.50 -1.25 -3.000 -3.75 -3.500	. 353 . 350 . 325 . 285 . 281 . 182 . 191 . 251 . 324 . 423 . 533 . 612 . 650 . 635	-355 -354 -327 -282 -222 -192 -202 -266 -349 -423 -544 -611 -630	*365 *350 *310 *249 *205 *194 *229 *325 *406 *501 *588 *633 *658 *632	*311 *244 *211 *200 *217 *287 *423 *505 *583 *652 *632 -4420 *4413 *4419	242 210 208 223 266 359 484 666 659 6674 6676 657 6676	*261 *350 *466 *589 *662 *706 *725 *710 *703 *685 *668	. 299 . 279 . 248 . 213 . 178 . 157 . 160 . 175 . 208 . 262 . 336 . 393 . 368	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275
-2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -1.250000625500375250125000	. 353 . 350 . 325 . 285 . 231 . 182 . 191 . 251 . 324 . 423 . 533 . 612 . 650 . 635	-355 -354 -327 -282 -222 -192 -202 -266 -349 -423 -544 -611 -630 -434 -439 -4487	*365 *350 *310 *249 *205 *194 *229 *325 *406 *501 *583 *658 *658 *658 *632 **440 **440	*311 *244 *211 *200 *217 *287 *423 *505 *583 *652 *632 *-420 *-413 *-449 *-445	242 210 208 223 266 359 484 606 657 6676 657 636	*261 *350 *466 *589 *662 *706 *726 *723 *710 *703 *668 *633	. 299 . 279 . 248 . 213 . 178 . 157 . 160 . 175 . 208 . 262 . 336 . 393 . 368 - 329 - 338 - 333 - 311	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275
-2.500 -2.250 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -7.375 -250 -1.125 -000 -2.375 -1.25 -000	. 353 . 350 . 325 . 285 . 231 . 182 . 191 . 251 . 324 . 423 . 533 . 612 . 650 . 635	- 355 - 354 - 327 - 282 - 222 - 202 - 266 - 349 - 423 - 544 - 6611 - 630 - 434 - 4439 - 463 - 487 - 487	*365 *350 *310 *249 *205 *194 *229 *325 *406 *501 *588 *632 *440 *442 *4440 *4440 *4440	*311 *244 *211 *200 *217 *287 *423 *505 *583 *634 *652 *632 *449 *449 *4445	242 210 208 223 266 359 484 666 667 667 667 667 667 636	.261 .350 .466 .589 .662 .726 .726 .7710 .703 .685 .668	.299 .279 .248 .213 .178 .157 .160 .175 .208 .262 .393 .368 -329 -338 -331 -331	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275
-2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -1.500 -7.500 -3.75 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	. 353 . 350 . 325 . 285 . 281 . 182 . 191 . 251 . 324 . 423 . 652 . 653 . 635 . 642 . 448 . 4462 . 4462 . 398 . 336	355 354 327 282 222 192 202 266 349 423 544 6611 630 -434 -439 -4487 -4487 -4487	*365 *350 *310 *249 *205 *194 *229 *325 *406 *501 *583 *658 *658 *658 *632 **440 **440	*311 *244 *211 *200 *217 *287 *423 *505 *583 *634 *652 *632 -420 -4413 -4419 -4445 -4405	242 210 208 223 266 359 484 606 659 6674 6676 6657 6636	*261 *350 *466 *589 *662 *706 *726 *710 *703 *685 *685 *633	. 299 . 279 . 248 . 213 . 178 . 157 . 160 . 175 . 208 . 262 . 336 . 339 . 368 . 339 . 336 . 339 . 331 . 331 . 331 . 301 . 300	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275
-2.500 -2.250 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -7.375 -250 -1.125 -000 -2.375 -1.25 -000	. 353 . 350 . 325 . 285 . 231 . 182 . 191 . 251 . 324 . 423 . 533 . 612 . 650 . 635	- 355 - 354 - 327 - 282 - 222 - 202 - 266 - 349 - 423 - 544 - 6611 - 630 - 434 - 4439 - 463 - 487 - 487	*365 *350 *310 *249 *205 *194 *229 *325 *406 *501 *588 *633 *658 *633 *449 *442 *4440 *440	*311 *244 *211 *200 *217 *287 *423 *505 *583 *634 *652 *632 *449 *449 *449 *449 *449 *449 *4404	242 210 208 228 266 359 4884 6659 6674 6657 6676 6574 6573 636	.261 .350 .466 .589 .662 .726 .726 .710 .703 .685 .668 .633	. 299 . 279 . 248 . 213 . 175 . 160 . 175 . 208 . 262 . 336 . 393 . 368 - 339 - 338 - 331 - 301 - 306 - 344	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275
-2.500 -2.250 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -7.375 -2.50 -1.25 -0.000 -2.50 -3.75 -5.000 -2.50 -3.75 -5.000 -3.75 -5.000 -3.75 -5.000 -3.75 -5.000 -3.75 -5.000	. 353 . 350 . 325 . 285 . 281 . 182 . 191 . 251 . 324 . 423 . 612 . 650 . 635 . 438 . 4464 . 4466 . 398 . 3355	-355 -354 -327 -282 -222 -192 -202 -266 -349 -423 -544 -611 -630 -434 -439 -463 -487 -487 -400 -382 -327	.365 .350 .310 .249 .205 .194 .229 .325 .406 .501 .588 .633 .658 .632 .419 .442 .4440 .4440 .4444 .4469 .4447 .4447 .4422 .3399	*311 *244 *211 *200 *217 *287 *423 *505 *583 *652 *632 -420 -413 -445 -445 -4405 -404 -402	*242 *210 *208 *223 *266 *359 *484 *606 *659 *674 *676 *657 *636 *361 *376 *381 *376 *3361	-261 -350 -466 -589 -662 -706 -726 -723 -710 -703 -668 -633 -369 -335 -303 -290 -281	. 299 . 279 . 248 . 213 . 178 . 157 . 160 . 175 . 208 . 262 . 336 . 339 . 368 . 339 . 336 . 339 . 331 . 331 . 331 . 301 . 300	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -7.500 -3.75 -1.250	. 353 . 350 . 325 . 285 . 281 . 182 . 191 . 251 . 324 . 423 . 533 . 612 . 650 . 635 - 432 - 432 - 438 - 335 - 335 - 335 - 327 - 327 - 291 - 137		*365 *350 *310 *249 *205 *194 *229 *325 *406 *501 *588 *632 -419 -4422 -4440 -4474 -4469 -4447 -4469	*311 *244 *211 *200 *217 *287 *423 *505 *583 *634 *652 *632 *449 *449 *449 *449 *449 *449 *4404	242 210 208 228 266 359 4884 6659 6674 6657 6676 6574 6573 636	-261 -350 -466 -589 -662 -726 -726 -710 -703 -685 -668 -633	.299 .279 .248 .213 .178 .157 .160 .175 .208 .262 .336 .393 .368 .333 -331 -301 -306 -344 -332 -3308	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275
-2.500 -2.250 -2.250 -2.2000 -1.750 -1.500 -1.250 -1.000 -7.	. 353 . 350 . 325 . 285 . 281 . 182 . 191 . 251 . 324 . 423 . 612 . 650 . 635 . 438 . 448 . 448 . 4466 . 3398 . 3355 . 327 . 327	355 354 327 282 222 192 202 266 349 423 544 611 630 -434 -439 -463 -443 -443 -443 -443 -440 -362 -327 -292	*365 *350 *310 *249 *205 *194 *229 *325 *406 *501 *588 *632 *440 *447 *4	**311 **244 **211 **200 **217 **287 **423 **505 **583 **634 **652 **632 **413 **449 **445 **449 **445 **449 **4405 **4402 **385	*242 *210 *208 *223 *266 *359 *484 *606 *657 *676 *657 *636 *394 *380 *3361 *3361 *3361 *3361	-261 -350 -466 -589 -662 -706 -726 -723 -710 -703 -668 -633 -369 -335 -303 -290 -281	. 299 . 279 . 248 . 213 . 178 . 157 . 160 . 175 . 208 . 268 . 336 . 339 . 368 . 339 . 368 . 339 . 311 . 306 . 330 . 301 . 304 . 330 . 300 . 300	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275
-2.500 -2.250 -2.250 -2.000 -1.750 -1.500 -1.250 -1.250 -3.75 -500 -3.75 -1.25 -500 -3.75 -3.75	. 353 . 350 . 325 . 285 . 281 . 182 . 191 . 251 . 324 . 423 . 533 . 612 . 650 . 635 - 432 - 432 - 438 - 335 - 335 - 335 - 327 - 327 - 291 - 137	-355 -354 -327 -282 -222 -192 -266 -349 -423 -544 -611 -630 -434 -439 -463 -4439 -400 -327 -227	.365 .350 .310 .249 .205 .194 .229 .325 .406 .501 .588 .633 .6532 .419 .447 .447 .447 .447 .447 .399 .340	*311 *244 *211 *200 *217 *423 *505 *583 *652 *632 *652 *632 *4419 *445 *4445 *4445 *4445 *4445 *4445 *4445 *4445 *4445 *4446 *4445 *4446 *446 *	*242 *210 *208 *223 *266 *359 *484 *606 *659 *674 *657 *636 *657 *636 *336 *336 *336 *336 *336	.261 .350 .466 .589 .662 .706 .726 .710 .703 .668 .633 .668 .633	.299 .279 .248 .213 .178 .157 .160 .175 .208 .262 .336 .393 .368 .333 -331 -301 -306 -344 -332 -3308	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275
-2.500 -2.250 -2.250 -2.250 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -125 -125 -125 -125 -125 -125 -125 -12	. 353 . 350 . 325 . 285 . 231 . 182 . 182 . 191 . 251 . 324 . 423 . 612 . 650 . 635 . 432 . 438 . 446 . 398 . 398 . 336 . 398 . 395 . 395	355 354 327 282 222 192 202 266 349 423 544 611 630 -439 -463 -4439 -463 -439 -463 -242 -278 -278 -278 -222 -050 -066	*365 *350 *310 *249 *205 *194 *229 *325 *406 *501 *588 *633 *658 *632 *440 *440 *447 *4447 *4447 *4447 *442 *365 *3306 *3306 *260	*311 *244 *211 *200 *217 *423 *505 *583 *634 *652 *632 *443 *449 *445 *449 *445 *4402 *4402 *385 *349 *323 *295	*242 *210 *208 *223 *266 *359 *484 *606 *657 *676 *657 *636 *-394 *-381	-261 -350 -466 -589 -662 -726 -726 -710 -703 -685 -668 -633 -3303 -290 -281 -272 -278 -228	.299 .279 .248 .213 .178 .157 .160 .175 .208 .262 .336 .393 .368 .338 -338 -3311 -301 -306 -344 -338 -3308 -263	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275
-2.500 -2.250 -2.250 -2.250 -1.750 -1.500 -1.250 -1.250 -3.75 -3.7	. 353 . 350 . 325 . 285 . 281 . 182 . 191 . 251 . 324 . 423 . 533 . 612 . 650 . 635 432 446 336 327 221	- 355 - 354 - 327 - 282 - 222 - 202 - 266 - 349 - 423 - 544 - 6611 - 630 - 434 - 439 - 4463 - 447 - 439 - 400 - 362 - 327 - 222 - 278 - 222 - 050 - 066 - 070	*365 *350 *310 *249 *205 *194 *229 *325 *406 *501 *588 *632 *447 *447 *447 *447 *447 *449 *399 *365 *346 *365 *365 *365 *365 *365 *365 *365 *36	*311 *244 *211 *200 *217 *287 *423 *505 *583 *652 *632 *420 *4413 *445 *445 *4404 *402 *385 *348 *349 *349 *323 *235 *235 *235	*242 *210 *208 *223 *266 *359 *484 *606 *657 *676 *657 *676 *657 *636 *380 *380 *380 *386 *3261 *327 *327 *330	.261 .350 .466 .589 .662 .726 .726 .710 .703 .685 .668 .633	. 299 . 279 . 248 . 213 . 178 . 157 . 160 . 175 . 208 . 238 . 338 . 338 . 338 . 338 . 338 . 339 . 311 . 306 . 339 . 346 . 339 . 346 . 339 . 346 . 346 . 347 . 347	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275
-2.500 -2.250 -2.250 -2.250 -1.750 -1.500 -1.250 -1.000 -750 -375 -250 -375 -125 -125 -1000 -375 -125 -125 -125 -125 -125 -125 -125 -12	. 353 . 350 . 325 . 285 . 231 . 182 . 191 . 251 . 324 . 423 . 533 . 612 . 650 . 635 - 432 - 438 - 466 - 338 - 325 - 1291 - 137 . 1291 -	-355 -354 -327 -282 -222 -192 -202 -266 -349 -423 -544 -611 -630 -439 -4439 -4439 -4439 -400 -362 -327 -278 -278 -278 -272 -050 -066 -070 -056	*365 *350 *310 *249 *205 *194 *229 *325 *406 *501 *588 *632 *419 *440 *440 *447 *447 *447 *447 *447 *447	*311 *244 *211 *220 *217 *287 *423 *505 *583 *634 *652 *632 *632 *4419 *4419 *4419 *445 *4404 *445 *4404 *445 *4404 *440	*242 *210 *208 *223 *266 *359 *484 *606 *657 *676 *657 *636 *394 *391 *391 *391 *391 *391 *391 *391 *391	-261 -350 -466 -589 -662 -706 -726 -710 -710 -703 -685 -668 -633 -335 -3369 -335 -290 -281 -272 -272 -278 -327 -3280 -327 -3280 -327 -280 -291	. 299 . 279 . 248 . 213 . 178 . 157 . 160 . 175 . 208 . 238 . 338 . 338 . 338 . 338 . 338 . 339 . 311 . 306 . 339 . 346 . 339 . 346 . 339 . 346 . 346 . 347 . 347	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275
-2.500 -2.250 -2.250 -2.250 -1.750 -1.500 -1.250 -1.000 -375 -375 -250 -1.25 -000 -375 -1.25 -1.	. 353 . 350 . 325 . 285 . 281 . 182 . 191 . 251 . 324 . 423 . 533 . 612 . 650 . 635 . 432 . 448 . 448 . 446 . 398 . 336 . 337 . 327 . 327	- 355 - 354 - 327 - 282 - 222 - 202 - 266 - 349 - 423 - 544 - 611 - 630 - 434 - 439 - 463 - 4439 - 463 - 278 - 278 - 278 - 278 - 278 - 278 - 066 - 070 - 056 - 040	*365 *350 *310 *249 *205 *194 *229 *325 *406 *501 *588 *632 *440 *447 *447 *447 *447 *449 *449 *340 *340 *340 *340 *340 *340 *340 *340	*311 *244 *211 *200 *217 *423 *505 *583 *652 *632 *420 *419 *445 *449 *445 *449 *445 *404 *404 *404 *404 *404 *404 *404 *404 *404 *404 *404 *405 *404 *404 *404 *405 *404 *405 *406	*242 *210 *208 *223 *266 *359 *484 *605 *657 *657 *657 *657 *636 *394 *336 *336 *336 *336 *327 *336 *327 *336 *336 *336 *336 *336 *336 *336 *33	-261 -350 -466 -589 -662 -726 -723 -710 -703 -685 -668 -633 -3369 -2303 -2281 -272 -272 -278 -2281 -304 -3272 -288 -3272 -288 -3272 -288 -3272 -288 -3272 -288 -3272 -288 -3272 -288 -3272 -288 -3272 -288 -3272 -288 -3272 -288 -3272 -32	. 299 . 279 . 248 . 213 . 178 . 157 . 160 . 175 . 208 . 238 . 338 . 338 . 338 . 338 . 338 . 339 . 311 . 306 . 339 . 346 . 339 . 346 . 339 . 346 . 346 . 347 . 347	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275
-2:500 -2:250 -2:250 -1:750 -1:500 -1:250 -1:000 -750 -625 -500 -375 -000 -125 -1000 -750 -125 -1000 -750 -125 -1000 -750 -1000 -750 -1000 -750 -1000 -750 -1000 -750 -1000 -750 -1000 -750 -1000 -750 -750 -750 -750 -750 -750 -750 -	. 353 . 350 . 325 . 285 . 231 . 182 . 191 . 251 . 324 . 423 . 533 . 612 . 650 . 635 - 432 - 438 - 466 - 338 - 325 - 1291 - 137 . 1291 -	-355 -354 -327 -282 -222 -192 -202 -266 -349 -423 -544 -611 -630 -439 -4439 -4439 -4439 -400 -362 -327 -278 -278 -278 -272 -050 -066 -070 -056	*365 *350 *310 *249 *205 *194 *229 *325 *406 *501 *588 *632 *419 *440 *440 *447 *447 *447 *447 *447 *447	*311 *244 *211 *220 *217 *287 *423 *505 *583 *634 *652 *632 *632 *4419 *4419 *4419 *445 *4404 *445 *4404 *445 *4404 *440	*242 *210 *208 *223 *266 *359 *484 *606 *657 *676 *657 *636 *394 *391 *391 *391 *391 *391 *391 *391 *391	-261 -350 -466 -589 -662 -706 -726 -710 -710 -703 -685 -668 -633 -335 -3369 -335 -290 -281 -272 -272 -278 -327 -3280 -327 -3280 -327 -280 -291	. 299 . 279 . 248 . 213 . 178 . 157 . 160 . 175 . 208 . 238 . 338 . 338 . 338 . 338 . 338 . 339 . 311 . 306 . 339 . 346 . 339 . 346 . 339 . 346 . 346 . 347 . 347	9 10 11 12 13 14 15 16 17 18 19 20	- 435 - 438 - 436 - 429 - 353 - 318 - 280 - 281 - 324 - 338 - 338 - 311 - 275

Table 17 Continued
Plate and Spoiler Pressure Coefficients

Configuration 8 M= 1.61 R= 0.56 x 10.6

		Connig	uration 8	M= 1		R= 0.56			
			THE STATE OF THE S	Plate				Spoil	er
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	60 0				
-6.000	•014	•008	•003	•008	•019	.016 .016		1	• 426
-6.000 -5.500	•013	•009	•001	•008	•019	•016		2	• 428
-5.000	•010	•007	•003	.008 .010	•018 •016	.012		3 4	• 429 • 425
-4.500 -4.000	•011	•007	•001	.009	•017	.171	•211	5	.415
-3.500	•133	.031	•008	.027	•213	•341	•234	6	.389
-3.000	•231	•208	• 205	• 252	•312	.232	• 243	7	202
-2.750	•249	• 247	.250	•279	•322	•214	.244	8	337
-2.500	•261	• 261	• 268	•284	•305	.261	• 244	9	392
-2.250	• 262	• 264	•271	•291	•230	•342	•241	10	400
-2.000	• 263 • 257	• 267	• 275 • 253	• 269 • 205	•180 •200	•427	• 238 • 221	11	444 .331
-1.750 -1.500	•221	•261 •218	•190	•168	•264	•534	•190	13	•330
-1.250	•143	•163	.168	•207	•367	.534	•158	14	.339
-1.000	•171	•184	•219	• 301	• 46 4	•517	•168	15	• 347
750	• 269	• 293	•345	• 426	• 493	•498	•221	16	• 352
625	•361	•371	•407	• 457 • 466	•480 •473	•483	• 259 • 294	17	• 336 • 194
500 375	•421	• 448	• 443	• 459	• 467	•466	•319	19	361
250	• 443	•432	• 441	• 445	•461	.457	•333	20	359
125	• 443		. 444		• 449		•339	21	251
.000	•429	• 426	• 428	• 425	•432	•429	•336	22	243
• 250	342	345	333	328			356		
•375	370	370	351	339	319		369		
•500	425	427	397	365	329		378		
• 750	385	426	442	437	367	335	303		
1.000	-•279 -•149	359 275	415 371	450	-•403 -•368	266 241	287		
1.500	012	147	285	397	332	227	213		
1.750	.049	054	176	345	293	216	331		
2.000	•049	013	064	287	277	236	190		
2.250	•040	•002	005	219	268	269	054		
2.500	•024	•008	•026	149	252	296	•018		
2.750	•008	•006	•040	073	-•256 -•313	342	•049 •055		
3.000	008	•009	.039 .031	010 .045	295	292	•055		
4.000	054	•005	•024	•051	221	350			
4.500	055	• 004	•017	.061	147	345			
5.000	045	•001	•014	•058	075	299			
5.500	034	•005	•012	•049	010 001	297			
6.000	028	•003	•012	•045					
	A STATE OF THE STA			Λ=	75°				
-6.000	•017	•007	•005	•015	•015	•012		1 2	•132 •139
-5.500	•014	•007	•005	•010	•017	.008		3	.137
-5.000 -4.500	.012	•004	•001	•013	.014	•009		4	.127
-4.000	.017	•007	•003	.011	.014	.013	• 095	5	.114
-3.500	•048	•011	•007	•012	•020	•187	•093	6	• 096
-3.000	.105	•069	•048	•078	.161	•239	•089	7	276
-2.750	•121	•111	•102	•135	•192	•227	•088	8 9	121
-2.500	•127 •132	•129 •135	•138	•163 •170	•195 •186	•208 •200	.089 .089	10	215
-2.250	127	•138	•147 •149	•165	•172	•194	•090	11	326
-1.750	.129	•136	•144	•161	•159	•191	•091	12	.110
-1.500	•127	•131	•137	•152	.158	•184	•090	13	.112
-1.250	.108	•126	•128	•139	•159	•183	•091	14	•114
-1.000	•112	•115	•131	• 143	.159	•174 •172	•087	15 16	•117 •114
		•119	•140	•146	•162	01/2	•082	17	9 7 7 4
750	•111	.120			.161		a () R R		.103
625	•115	•129	•145	•152	•161 •160	•165	•088	18	•103 •036
		•129 •136 •143	•145 •148 •151	•152 •155 •159	•161 •160 •165	•165 •166 •164	•096	18	•036 -•227
625	•115 •126 •130	•136	•148 •151 •148	•155	•160 •165 •162	•165 •166	•096 •104 •113	18 19 20	.036 227 203
625 500 375 250 125	•115 •126 •130 •144 •147	•136 •143 •135	•148 •151 •148 •156	•155 •159 •154	•160 •165 •162 •155	•165 •166 •164 •159	.096 .104 .113 .117	18 19 20 21	•036 -•227 -•203 -•167
625 500 375 250	•115 •126 •130	•136 •143	•148 •151 •148	•155 •159	•160 •165 •162	•165 •166 •164	•096 •104 •113	18 19 20	.036 227 203
625 500 375 250 125 .000	•115 •126 •130 •144 •147 •141	•136 •143 •135 •132	•148 •151 •148 •156 •148	•155 •159 •154 •143	.160 .165 .162 .155 .145	•165 •166 •164 •159	.096 .104 .113 .117 .114	18 19 20 21	.036 227 203 167
625 500 375 250 125 .000	•115 •126 •130 •144 •147 •141 ••113 ••139	•136 •143 •135 •132 ••106 ••142	•148 •151 •148 •156 •148	•155 •159 •154 •143 ••076 ••097	.160 .165 .162 .155 .145	•165 •166 •164 •159	.096 .104 .113 .117 .114	18 19 20 21	•036 -•227 -•203 -•167
625 500 375 250 125 .000	•115 •126 •130 •144 •147 •141 •113 ••139 ••139	•136 •143 •135 •132 -•106 -•142 -•157	-148 -151 -148 -156 -148 084 119 141	.155 .159 .154 .143 .076 .097	.160 .165 .162 .155 .145	•165 •166 •164 •159	.096 .104 .113 .117 .114 233 227 208	18 19 20 21	•036 -•227 -•203 -•167
625 500 375 250 125 .000 .250 .375 .500 .750	•115 •126 •130 •144 •147 •141 ••113 ••139 ••106	•136 •143 •135 •132 ••106 ••142	-148 -151 -148 -156 -148 084 119 141	.155 .159 .154 .143 076 097 123 135	-160 -165 -162 -155 -145 081 086	•165 •166 •164 •159 •142	.096 .104 .113 .117 .114	18 19 20 21	•036 -•227 -•203 -•167
625 500 375 250 125 .000	.115 .126 .130 .144 .147 .141 113 139 139 106 044 090	•136 •143 •135 •132 -•106 -•142 -•157 -•136 -•089 -•040	.148 .151 .148 .156 .148 084 119 141 141 177	.155 .159 .154 .143 076 097 123 135 104	-160 -165 -162 -155 -145 -081 -086 -096 -061	•165 •166 •164 •159 •142	.096 .104 .113 .117 .114 233 227 208 236 130	18 19 20 21	•036 -•227 -•203 -•167
- 625 - 520 - 375 - 250 - 125 - 300 - 250 - 375 - 500 - 750 1 000 1 250 1 500	.115 .126 .130 .144 .147 .141 -113 -139 -139 -106 -044 -090	•136 •143 •135 •132 -•106 ••142 ••157 ••136 ••089 ••040 ••032	-148 -151 -148 -156 -148 084 119 141 141 111 077 058	.155 .159 .154 .143 .076 .097 .123 .135 .104 .037	-160 -165 -162 -155 -145 -081 -086 -096 -061 -064	-165 -166 -164 -159 -142 036 -047 -037	.096 .104 .113 .117 .114 233 227 208 236 130 030 .002	18 19 20 21	•036 -•227 -•203 -•167
625 520 375 250 125 000 375 500 750 1-000 1-250 1-500 1-750	.115 .126 .130 .144 .147 .141 113 139 139 106 044 090 087	-136 -143 -135 -132 106 142 157 136 089 040 032 040	-148 -151 -148 -156 -148 084 119 141 141 077 058 068	.155 .159 .154 .143 .076 .097 .123 .135 .104 .037 .046	-160 -165 -162 -155 -145 -081 -086 -096 -061 -064 -069	-165 -166 -164 -159 -142 -036 -047 -037 -032 -059	.096 .104 .113 .117 .114 -233 -227 -208 -236 -130 -000 .002	18 19 20 21	•036 -•227 -•203 -•167
625 5500 375 250 125 000 250 375 500 750 1.000 1.250 1.500 1.750 2.000	.115 .126 .130 .144 .147 .141 113 139 139 106 044 090 087 058	-136 -143 -135 -132 106 142 157 136 089 040 032 040	-148 -151 -148 -156 -148 084 119 141 141 111 077 058 048 039	.155 .159 .154 .143 .076 .097 .123 .135 .104 .037 .046 .066	-160 -165 -162 -155 -145 -081 -086 -096 -061 -064 -069 -058	-165 -166 -164 -159 -142 036 -047 -037 -032 -059 -096	.096 .104 .113 .117 .114 233 227 208 236 130 .002 .015	18 19 20 21	•036 -•227 -•203 -•167
-625 -520 -375 -250 -125 -000 -250 -375 -500 -750 1.000 1.250 1.750 2.000 2.250	.115 .126 .130 .144 .147 .141 113 139 139 106 .044 090 087 058	.136 .143 .135 .132 106 142 157 089 040 032 040	1.48 1.151 1.148 1.156 1.148 -1.148 -1.19 -1.141 -1.141 -1.111 -0.078 -0.039 -0.040	155 159 154 143 -076 -097 -123 -135 -104 -037 046 066	-160 -165 -162 -155 -145 -081 -086 -096 -061 -0069 -058 -034 -011	-036 -047 -037 -032 -059 -017	.096 .104 .113 .117 .114 -233 -227 -208 -236 -130 -000 .002	18 19 20 21	•036 -•227 -•203 -•167
-625 -5200 -375 -250 -125 -000 -125 -500 -375 -500 -750 1.000 1.250 1.500 1.750 2.000 2.250 2.500	.115 .126 .130 .144 .147 .141 113 139 139 106 044 090 087 058 046 046	-136 -143 -135 -132 106 142 187 136 089 040 045 046 046	-148 -151 -148 -156 -148 084 119 141 141 111 077 058 048 039	.155 .159 .154 .143 .076 .097 .123 .135 .104 .037 .046 .066	- 160 - 165 - 162 - 155 - 145 - 081 - 086 - 096 - 001 - 064 - 088 - 034 - 011 - 027 - 064	-165 -166 -164 -159 -142 036 -047 -037 -032 -059 -096	- 096 - 104 - 113 - 117 - 114 - 233 - 227 - 228 - 236 - 130 - 030 - 002 - 015 - 030 - 037	18 19 20 21	•036 -•227 -•203 -•167
625 5200 375 250 125 000 375 500 375 500 375 300 1.250 1.250 1.250 1.250 2.250 2.250 2.750 3.000	.115 .126 .130 .144 .147 .141 113 139 139 106 .044 090 087 058	.136 .143 .135 .132 106 142 157 089 040 032 040	1.148 1.151 1.148 1.156 1.148 084 119 141 111 077 058 039 040 030	.155 .159 .154 .143 .007 .007 .123 .135 .104 .0037 .046 .057 .049	.160 .165 .162 .155 .145 081 086 096 061 064 059 034 011	-036 -047 -037 -032 -059 -016 -017 -016 -017	.096 .104 .113 .117 .114 -233 -227 -208 -236 -130 .002 .015 .030 .037	18 19 20 21	•036 -•227 -•203 -•167
-625 -520 -375 -250 -125 -000 -250 -375 -500 -750 1.000 1.500 1.750 2.000 2.250 2.500 2.250 2.500 3.50	.115 .126 .130 .144 .147 .141 -113 -139 -106 .044 -097 -058 -044 -047 -057 -066 -056	-136 -142 -106 -142 -157 -136 -089 -040 -045 -046 -047 -046 -042	1148 1151 1148 1156 1148 	155 159 154 143 -076 -097 -123 -135 -104 -037 -046 -056 -057 -049 -041 -037 -037	- 160 - 165 - 162 - 155 - 145 - 081 - 086 - 096 - 061 - 064 - 034 - 011 - 027 - 064 - 073 - 040	-165 -166 -164 -159 -142 -037 -037 -037 -032 -059 -056 -115 -208	- 096 - 104 - 113 - 117 - 114 - 233 - 227 - 208 - 236 - 130 - 030 - 0015 - 030 - 037 - 035 - 034	18 19 20 21	•036 -•227 -•203 -•167
- 625 - 5200 - 375 - 2500 - 125 - 0000 - 375 - 5000 - 750 1 0000 1 250 1 5000 1 5000 1 5000 2 2500 2 2500 2 2500 3 3 5 500 4 0000	.115 .126 .130 .144 .147 .141113139139106044090087058046047057066054	136 143 135 132 -106 -142 -157 -136 -089 -040 -032 -040 -040 -040 -040 -040 -040 -040 -04	1.148 1.151 1.148 1.156 1.148 1.148 1.141 1.141 1.141 1.077 1.058 1.039 1.048 1.039 1.027 1.027	155 159 154 143 -076 -097 -123 -135 -104 006 0057 0049 0041 0037 0031	- 160 - 165 - 162 - 155 - 145 - 081 - 086 - 096 - 064 - 069 - 058 - 034 - 011 - 027 - 064 - 073 - 064	-036 -047 -037 -037 -037 -039 -059 -096 -117 -108	- 096 - 104 - 113 - 117 - 114 - 233 - 227 - 208 - 236 - 130 - 030 - 0015 - 030 - 037 - 035 - 034	18 19 20 21	•036 -•227 -•203 -•167
-625 -520 -375 -250 -125 -000 -250 -375 -500 -375 -500 1.000 1.250 1.500 1.750 2.000 2.250 2.750 3.000 3.500 4.000 4.500	.115 .126 .130 .144 .147 .141 -113 -139 -139 -106 -044 -097 -058 -044 -007 -056 -054 -056 -056 -056	-136 -142 -135 -132 -106 -142 -157 -136 -089 -040 -042 -046 -042 -046 -042 -046 -043	1148 1151 1148 1156 1148 	155 159 154 143 -076 -097 -123 -135 -104 -037 -049 -041 -037 -031 -031	- 160 - 165 - 162 - 155 - 145 - 081 - 086 - 096 - 0061 - 0069 - 058 - 034 - 011 - 027 - 064 - 073 - 060 - 073 - 060 - 072 - 018	036 .047 .037 .037 .037 .032 .059 .015 .056 115 208	- 096 - 104 - 113 - 117 - 114 - 233 - 227 - 208 - 236 - 130 - 030 - 0015 - 030 - 037 - 035 - 034	18 19 20 21	•036 -•227 -•203 -•167
	.115 .126 .130 .144 .147 .141113139139106044090087058046047057066054	136 143 135 132 -106 -142 -157 -136 -089 -040 -032 -040 -040 -040 -040 -040 -040 -040 -04	1.148 1.151 1.148 1.156 1.148 1.148 1.141 1.141 1.141 1.077 1.058 1.039 1.048 1.039 1.027 1.027	155 159 154 143 -076 -097 -123 -135 -104 006 0057 0049 0041 0037 0031	- 160 - 165 - 162 - 155 - 145 - 081 - 086 - 096 - 064 - 069 - 058 - 034 - 011 - 027 - 064 - 073 - 064	-036 -047 -037 -037 -037 -039 -059 -096 -117 -108	- 096 - 104 - 113 - 117 - 114 - 233 - 227 - 208 - 236 - 130 - 030 - 0015 - 030 - 037 - 035 - 034	18 19 20 21	•036 -•227 -•203 -•167

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4	1 5 6	1 0 1	D 7	Plate		0. 7	1 0	Spoi	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ= -1	5				
-6.000	•010	•004	•004	•137	•296	•212		1	• 545
-5.500	•012	•007	•007	• 290	•313	•210		2	• 481
-5.000	•017	•014	• 223	•329	•323	• 201		3	. 466
-4.500	•227	• 257	•327	• 358	•338	•194	25/	4	• 494
-4.000 -3.500	•337	• 343	• 359	• 368	•355	•209	•354	5	•551
-3.000	•366	•370 •385	• 375 • 386	•379	•368 •374	•248	•380	6 7	•639
-2.750	•387	• 389	•393	•399	•372	•310	• 385	8	343
-2.500	•392	•391	•397	•402	•366	•329	•386	9	343
-2.250	•396	•397	•399	.398	•355	.343	•384	10	342
-2.000	•397	•400	•399	.391	•347	.361	•377	11	340
-1.750	•400	•402	•394	•380	•349	•384	•367	12	. 467
-1.500	• 400	• 395	•384	.365	.355	.409	•354	13	.408
-1.250	•377	• 382	• 365	.356	•369	• 441	•343	14	• 395
-1.000	•369	•362	•359	•362	•394	•482	•331	15	. 416
750	•359	• 357	•371	• 386	•431	•524	•328	16	• 453
625	•370	•369	•383	• 408	• 456	•547	•332	17	•506
500	•388	• 393	•408	• 436	• 488	•572	•344	18	.491
375	• 423	• 427	• 446	• 478	•528	•596	• 371	19	355
250	• 481	• 483	•502	•533	•580	•607	• 422	20	361
125	•582	- 500	•590	. 502	•612	. 502	•503	21	363
•000	•594	•590	•593	•592	•594	•592	•509	22	357
• 250	342	344	338	337			360		
• 375	341	348	341	341	335		365		
•500	344	345	344	341	337	HT HER CO.	368		
•750	347	351	345	344	341	339	363		
1.000	343	344	349	347	343	342	344		
1.250	335	341	341	339	346	346	314		
1.500	316	326	330	334	349	349	277		
1.750	280	305	314	325	349	352	239		
2.000	269	280	284	306	345	352	202		
2 • 250	247	253	264	288	337	354	169		
2.500	220	224	228	263	324	354	145		
2.750	195 176	185	209	240	308	~.353	124		
		~.175	183 133	211	289		106		
3 • 500 4 • 000	137 098	133 101	097	156 110	233 196	351 340			
4.500	081	077	068	083	167	330			
5.000	060	~.056	047	063	130	~.311			
5.500	056	042	037	052	109	291			
6.000	039	030	027	035	019	275			
					^				
				Λ= -3	0				
	•009	•007	•199		•255	•147		1	• 371
-6.000 -5.500	.009 .026	•007 •156	•199 •279	Λ= -3 •277 •288	0 •255 •254	•147 •146		1 2	• 371
-6.000 -5.500 -5.000	.009 .026 .249		•199 •279 •301	• 277	•255				
-6.000 -5.500 -5.000 -4.500	•026 •249 •325	•156 •289 •320	•279 •301 •316	• 277 • 288 • 293 • 297	•255	•146 •145 •158		3 4	•307 •282 •297
-6.000 -5.500 -5.000 -4.500 -4.000	.026 .249 .325 .346	•156 •289 •320 •332	•279 •301 •316 •313	• 277 • 288 • 293 • 297 • 290	• 255 • 254 • 257 • 260 • 268	•146 •145 •158 •191	• 341	2 3 4 5	.307 .282 .297 .335
-6.000 -5.500 -5.000 -4.500 -4.500	.026 .249 .325 .346	•156 •289 •320 •332 •332	•279 •301 •316 •313 •315	.277 .288 .293 .297 .290	•255 •254 •257 •260 •268 •277	.146 .145 .158 .191	•371	2 3 4 5 6	.307 .282 .297 .335 .395
-6.000 -5.500 -3.000 -4.500 -4.000 -3.500	.026 .249 .325 .346 .348	• 156 • 289 • 320 • 332 • 332	• 279 • 301 • 316 • 313 • 315 • 311	.277 .288 .293 .297 .290 .296	•255 •254 •257 •260 •268 •277 •282	.146 .145 .158 .191 .220	•371 •386	2 3 4 5 6 7	.307 .282 .297 .335 .395
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750	•026 •249 •325 •346 •348 •342 •343	.156 .289 .320 .332 .332 .327	• 279 • 301 • 316 • 313 • 315 • 311 • 314	• 277 • 288 • 293 • 297 • 290 • 296 • 297 • 297	• 255 • 254 • 257 • 260 • 268 • 277 • 282 • 282	.146 .145 .158 .191 .220 .240	•371 •386 •384	2 3 4 5 6 7 8	.307 .282 .297 .335 .395 .123
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750	.026 .249 .325 .346 .348 .342 .343	.156 .289 .320 .332 .332 .327 .329	• 279 • 301 • 316 • 313 • 315 • 311 • 314 • 310	277 288 293 297 290 296 297 297	.255 .254 .257 .260 .268 .277 .282 .282	.146 .145 .158 .191 .220 .240 .246	•371 •386 •384 •376	2 3 4 5 6 7 8 9	.307 .282 .297 .335 .395 .123 293
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250	.026 .249 .325 .346 .348 .342 .343 .339	.156 .289 .320 .332 .332 .327 .329 .325	• 279 • 301 • 316 • 313 • 315 • 311 • 314 • 310 • 305	277 288 293 297 290 296 297 297 295	•255 •254 •257 •260 •268 •277 •282 •282 •279 •272	.146 .145 .158 .191 .220 .240 .246 .249	•371 •386 •384 •376 •352	2 3 4 5 6 7 8 9	.307 .282 .297 .335 .395 .123 293 291
-6.000 -5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000	*026 *249 *325 *346 *348 *342 *343 *339 *339 *332 *317	.156 .289 .320 .332 .332 .327 .329 .325 .319	• 279 • 301 • 316 • 313 • 315 • 311 • 314 • 310 • 305 • 297	277 288 293 297 290 296 297 297 295 288	.255 .254 .257 .260 .268 .277 .282 .282 .279 .272 .265	.146 .145 .158 .191 .220 .240 .246 .249 .252	• 371 • 386 • 384 • 376 • 352 • 318	2 3 4 5 6 7 8 9 10 11	• 307 • 282 • 297 • 335 • 395 • 123 • • 293 • • 291 • • 287 • • 272
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.250 -2.250 -2.750	.026 .249 .325 .346 .348 .342 .343 .339 .332 .317	• 156 • 289 • 320 • 332 • 332 • 327 • 329 • 325 • 319 • 310 • 297	• 279 • 301 • 316 • 313 • 315 • 311 • 314 • 310 • 305 • 297 • 284	277 288 293 297 290 296 297 297 297 295 288 281	*255 *254 *257 *260 *268 *277 *282 *282 *279 *272 *265 *258	.146 .145 .158 .191 .220 .240 .246 .249 .252 .256	• 371 • 386 • 384 • 376 • 352 • 318 • 274	2 3 4 5 6 7 8 9 10 11	.307 .282 .297 .335 .395 .123 293 291 287 272
-6.000 -5.500 -5.000 -4.500 -4.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750	.026 .249 .325 .346 .348 .342 .343 .339 .332 .317 .301	.156 .289 .320 .332 .332 .327 .329 .325 .319 .310 .297	• 279 • 301 • 316 • 313 • 315 • 311 • 314 • 310 • 305 • 297 • 284 • 268	277 288 293 297 290 296 297 297 297 295 288 281 273	*255 *254 *257 *260 *268 *277 *282 *282 *279 *272 *265 *258	.146 .145 .158 .191 .220 .240 .249 .252 .256 .262	•371 •386 •384 •376 •352 •318 •274 •243	2 3 4 5 6 7 8 9 10 11 12 13	• 307 • 282 • 297 • 335 • 395 • 123 • • 293 • • 291 • • 287 • • 272 • 635 • 547
-6.000 -5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.5500 -2.2500 -2.250 -2.250 -1.750 -1.250	.026 .249 .325 .346 .348 .342 .343 .339 .332 .317 .301 .277 .244	. 156 . 289 . 320 . 332 . 332 . 327 . 329 . 325 . 319 . 310 . 297 . 275 . 255	• 279 • 301 • 316 • 313 • 315 • 311 • 314 • 310 • 305 • 297 • 284 • 268 • 248	.277 .288 .293 .297 .290 .296 .297 .295 .288 .281 .273 .258	.255 .254 .257 .260 .268 .277 .282 .279 .272 .265 .258 .258	.146 .145 .158 .191 .220 .240 .246 .249 .252 .256 .262 .270	•371 •386 •384 •376 •352 •318 •274 •243 •222	2 3 4 5 6 7 8 9 10 11 12 13	.307 .282 .297 .335 .395 .123 293 293 287 287 272 .635 .547
-6.000 -5.500 -5.500 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.500 -1.500 -1.500 -1.250	.026 .249 .325 .346 .348 .342 .343 .339 .332 .317 .301 .277 .244 .231	.156 .289 .320 .332 .332 .327 .329 .325 .319 .310 .297 .275 .255	279 301 316 313 315 311 314 310 305 297 284 268 248	.277 .288 .293 .297 .290 .296 .297 .297 .288 .281 .273 .258 .243	.255 .254 .257 .260 .268 .277 .282 .282 .279 .272 .265 .258 .250 .247	.146 .145 .158 .191 .220 .240 .246 .249 .252 .256 .262 .270 .287	• 371 • 386 • 384 • 376 • 352 • 318 • 274 • 243 • 222 • 213	2 3 4 5 6 7 8 9 10 11 12 13 14	. 307 . 282 . 297 . 335 . 395 . 123 293 291 287 272 . 635 . 547 . 460
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.750 -1.750 -1.750 -1.750	.026 .249 .325 .346 .348 .342 .343 .339 .332 .317 .301 .277 .244 .231	. 156 . 289 . 320 . 332 . 327 . 329 . 319 . 310 . 297 . 275 . 255 . 235	279 301 316 313 315 311 314 310 305 297 284 268 248 235	.277 .288 .293 .297 .290 .296 .297 .295 .288 .281 .273 .258 .243 .233	.255 .254 .257 .260 .268 .277 .282 .282 .279 .272 .265 .258 .250 .248	.146 .145 .158 .191 .220 .240 .249 .252 .256 .262 .270 .287 .313 .349	• 371 • 386 • 384 • 376 • 352 • 318 • 274 • 243 • 222 • 213	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	. 307 . 282 . 297 . 335 . 395 . 123 293 291 287 272 . 635 . 547 . 460 . 492 . 617
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.250 -2.000 -1.750 -1.250 -1.250 -1.000 -7.750 -1.000 -1.750 -1.000	.026 .249 .325 .346 .348 .343 .339 .337 .301 .277 .244 .231 .223	. 156 . 289 . 320 . 332 . 332 . 327 . 329 . 319 . 310 . 297 . 275 . 225 . 235 . 223 . 225	279 301 316 313 315 311 314 310 305 297 284 268 235 226 231	.277 .288 .293 .297 .290 .296 .297 .295 .288 .281 .273 .258 .243 .233	255 254 257 260 268 277 282 279 272 265 258 250 247 248 270 282	146 145 158 191 220 240 249 252 256 262 270 287 313 349	• 371 • 386 • 384 • 376 • 352 • 318 • 274 • 243 • 222 • 213 • 223 • 249	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	. 307 . 282 . 297 . 335 . 395 . 123 291 287 272 . 635 . 547 . 460 . 492 . 617 . 788
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.250	.026 .249 .325 .346 .348 .342 .343 .339 .332 .317 .301 .277 .244 .231 .223 .225	156 289 320 332 332 327 327 329 319 310 297 275 255 225 225 225 225	279 301 316 313 315 311 314 310 305 297 284 268 248 235 226	.277 .288 .293 .297 .290 .296 .297 .295 .288 .281 .273 .258 .243 .233 .236	255 254 257 260 268 277 282 229 279 272 265 258 250 247 227 248 279 247 248 279 247 247 287 287 287 287 287 287 287 287 287 28	146 145 158 191 220 240 246 249 252 256 262 270 287 313 349	• 371 • 386 • 384 • 376 • 352 • 318 • 274 • 223 • 223 • 223 • 249 • 304	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 307 . 282 . 297 . 335 . 123 . 293 . 293 . 297 . 287 . 277 . 635 . 547 . 460 . 492 . 617 . 788
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750	.026 .249 .325 .346 .348 .348 .343 .339 .337 .301 .277 .244 .231 .223 .225 .237	156 289 320 332 332 327 327 329 329 310 297 275 225 225 223	279 301 316 313 315 311 314 310 305 297 288 248 225 226 221 246 277	.277 .288 .293 .297 .296 .297 .295 .288 .281 .273 .288 .243 .233 .244 .243	255 254 257 260 268 277 282 282 279 272 265 258 250 247 248 277 248 250 247 248 277 248 250 247 248 250 248 277	146 145 158 191 220 240 249 252 270 287 313 349 374	• 371 • 386 • 384 • 376 • 352 • 318 • 274 • 243 • 222 • 213 • 223 • 249 • 304 • 406	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 307 . 282 . 297 . 335 . 123 . 293 291 287 272 . 635 . 547 . 460 . 492 . 617 . 788 . 844 431
-6.000 -5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.500 -1.750 -1.250 -1.250 -1.250 -1.250 -3.500	.026 .249 .325 .346 .348 .343 .339 .332 .317 .301 .277 .244 .231 .223 .225 .237 .263 .316	156 289 320 332 332 327 327 329 319 310 297 275 255 225 225 225 225	279 301 316 313 315 311 314 310 305 297 284 268 248 225 226 231 246 277	.277 .288 .293 .297 .290 .296 .297 .295 .288 .281 .273 .258 .243 .233 .236	255 254 257 260 268 277 282 229 279 272 265 258 250 247 227 248 279 247 248 279 247 247 287 287 287 287 287 287 287 287 287 28	146 145 158 191 220 240 246 249 252 256 262 270 287 313 349	• 371 • 386 • 384 • 376 • 352 • 318 • 274 • 223 • 223 • 223 • 249 • 304	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 307 . 282 . 297 . 335 . 395 . 123 293 291 272 . 635 . 547 . 460 . 492 . 617 . 788 . 844 431 4427
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750	.026 .249 .325 .346 .348 .348 .343 .339 .337 .301 .277 .244 .231 .223 .225 .237	156 289 320 332 332 327 327 329 329 310 297 275 225 225 223	279 301 316 313 315 311 314 310 305 297 288 248 225 226 221 246 277	.277 .288 .293 .297 .296 .297 .295 .288 .281 .273 .288 .243 .233 .244 .243	255 254 257 260 268 277 282 282 279 272 265 258 250 247 247 248 270 282 247 248 247 248 247 248 249 249 249 249 249 249 249 249 249 249	146 145 158 191 220 240 249 252 270 287 313 349 374	371 386 384 376 352 318 274 222 213 223 229 304 406	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	. 307 . 282 . 297 . 335 . 123 . 293 291 287 272 . 635 . 547 . 460 . 492 . 617 . 788 . 844 431
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.600 -1.250 -1.000 -7.50 -1.250	.026 .249 .325 .346 .348 .342 .343 .339 .317 .301 .277 .244 .231 .223 .225 .237 .263 .316 .411	156 289 320 322 327 327 329 329 310 297 275 225 225 225 223 225 223 313	279 301 316 313 315 311 314 310 305 297 284 268 235 226 231 246 277 327 416	.277 .288 .293 .297 .296 .297 .295 .281 .273 .288 .233 .233 .243 .243 .243 .244 .301	255 254 257 260 268 277 282 279 272 265 258 259 272 248 272 265 258 250 247 248 277 248 247 247 248 247 247 247 247 247 247 244 247 247 247	146 1145 1158 1191 220 240 246 225 226 227 287 313 349 374 335 420	*371 *386 *384 *376 *352 *318 *274 *243 *222 *213 *223 *229 *304 *406 *568 *599 *660	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635 547 460 492 617 788 844
-6.000 -5,500 -5,500 -4.500 -4.500 -4.500 -3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.250	.026 .249 .325 .346 .348 .348 .343 .339 .337 .301 .277 .244 .231 .223 .225 .237 .263 .316 .411	156 289 320 332 332 337 327 329 329 310 297 275 255 223 225 243 313	279 301 316 313 315 311 314 310 305 297 284 268 248 235 226 231 246 277 327 416	.277 .288 .293 .297 .290 .296 .297 .295 .281 .273 .258 .243 .233 .243 .244 .301 .360	255 254 257 260 268 277 282 282 279 272 265 250 247 248 277 248 447 248 447 448 448 442	146 1145 1158 1191 220 240 246 225 226 227 287 313 349 374 335 420	• 371 • 386 • 384 • 376 • 352 • 318 • 274 • 243 • 223 • 223 • 224 • 304 • 606 • 568 • 699 • 660	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635 547 460 492 617 788 844
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -7.500 -3.750 -2.500 -3.750	.026 .249 .325 .346 .348 .342 .343 .339 .317 .301 .277 .244 .231 .223 .225 .237 .263 .316 .411	156 289 320 322 327 327 329 325 310 297 275 225 225 223 224 313 412 -296 -306	279 301 316 313 315 311 314 310 305 297 284 268 228 225 226 221 246 415	.277 .288 .293 .297 .290 .296 .297 .295 .281 .273 .288 .243 .233 .243 .243 .243 .243 .243 .243	.255 .254 .257 .260 .268 .277 .282 .279 .272 .265 .258 .250 .247 .248 .277 .248 .277 .248 .270 .287 .287 .247	146 1145 1158 1191 220 240 246 225 226 227 287 313 349 374 335 420	*371 *386 *384 *376 *352 *318 *274 *243 *222 *213 *223 *249 *304 *406 *568 *699 *560	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635 547 460 492 617 788 844
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.250 -2.000 -1.750 -1.500	.026 .249 .325 .346 .348 .348 .343 .339 .337 .301 .277 .244 .231 .223 .225 .237 .263 .316 .411 .416	156 289 320 332 332 332 337 329 325 319 310 297 275 255 225 243 225 243 313 412 -296 -306	279 301 316 313 315 311 314 310 305 297 284 268 248 225 226 231 246 277 327 415 415	.277 .288 .293 .297 .296 .297 .295 .288 .281 .273 .258 .243 .233 .236 .243 .264 .301 .360	255 254 257 260 268 277 282 282 279 272 265 255 250 247 247 248 270 287 316 362 409	146 145 158 191 220 246 249 252 256 270 287 313 349 374 420 430	*371 *386 *384 *376 *387 *386 *387 *388 *376 *388 *274 *243 *222 *213 *224 *304 *406 *568 *699 *660 *434 *433 *433 *433	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635 547 460 492 617 788 844
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.250 -1.750 -1.500 -1.250 -1.750 -1.500 -3.750	.026 .249 .325 .346 .348 .342 .343 .339 .337 .301 .277 .244 .231 .223 .225 .237 .237 .243 .411 .416	156 289 320 332 332 327 327 329 325 310 297 275 225 223 225 223 225 244 313 412 -296 -306 -309	279 301 316 313 315 311 314 310 305 297 284 268 225 226 221 246 277 327 416 415	.277 .288 .293 .297 .290 .296 .297 .295 .281 .273 .288 .243 .233 .243 .243 .243 .243 .243 .243	.255 .254 .257 .260 .268 .277 .282 .272 .265 .250 .247 .248 .270 .248 .270 .248 .270 .248 .270 .248 .270 .282 .409 .436 .422	.146 .145 .158 .191 .220 .240 .249 .252 .256 .262 .270 .287 .313 .349 .374 .395 .420	**371 **386 **384 **376 **352 **318 **274 **243 **222 **213 **223 **249 **304 **406 **568 **699 **660 ***434 ***434 ***436 ***439 ***429	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635 547 460 492 617 788 844
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.750 -1.500 -3.750	.026 .249 .325 .346 .348 .348 .343 .339 .337 .301 .277 .244 .231 .223 .225 .237 .263 .316 .411 .416	156 289 320 332 332 332 337 329 325 319 310 297 275 225 225 223 225 243 313 412 -296 -306 -309 -320	279 301 316 313 315 311 314 310 305 297 284 288 228 226 231 246 277 327 416 415	.277 .288 .293 .297 .296 .297 .295 .288 .281 .273 .258 .243 .233 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .243 .244 .236 .246 .246 .246 .246 .246 .246 .246 .24	255 2254 2257 260 268 277 282 279 272 265 258 250 247 248 270 287 316 362 409 436 442	146 145 158 191 220 246 249 252 256 262 270 287 313 349 374 420 430	*371 *386 *384 *376 *387 *352 *318 *277 *243 *222 *213 *223 *249 *304 *406 *568 *699 *660 -*434 -*433 -*429 -*384	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635 547 460 492 617 788 844
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -3.500 -1.750 -1.500 -1.750 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -3.	.026 .249 .325 .346 .348 .342 .333 .337 .301 .277 .244 .231 .223 .225 .237 .263 .316 .411 .416	156 289 320 332 332 327 327 329 325 319 310 297 275 225 223 225 224 244 313 412 -296 -306 -309 -320 -313 -300	279 301 316 313 315 311 514 510 305 297 284 268 225 226 231 246 277 416 415 -202 -299 -316 -316 -313 -312	.277 .288 .293 .297 .290 .296 .297 .295 .288 .281 .273 .258 .243 .233 .236 .243 .243 .243 .258 .243 .258 .243 .258 .243 .258 .243 .258 .243 .258 .264 .273 .273 .273 .273 .273 .273 .273 .273	-255 -254 -257 -260 -268 -277 -282 -279 -272 -265 -258 -250 -247 -248 -270 -248 -409 -436 -409 -422	.146 .145 .158 .191 .220 .240 .249 .252 .256 .262 .270 .287 .313 .349 .374 .395 .420 .430	**371 ***386 ***384 **376 ***352 ***318 ***274 **243 ***222 ***213 ***223 ***223 ***249 ***304 ***406 ***568 ***599 ***660 ***433 ***436	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635 547 460 492 617 788 844
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.500 -3.75 -2.50 -1.500 -3.75 -2.50 -1.500 -3.75 -2.50 -1.500 -3.75 -2.50 -1.500 -3.75 -2.50 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -1.500 -3.75 -3.75 -3.500 -3.500 -3.75 -3.500 -3.500 -3.75 -3.500 -3	.026 .249 .325 .346 .348 .343 .339 .337 .317 .277 .244 .231 .223 .225 .237 .263 .316 .411 .416	156 289 320 322 332 337 329 327 329 310 297 275 225 223 225 243 313 412 -296 -306 -309 -320 -311 -300 -269	279 301 316 313 315 311 314 310 305 297 284 288 228 228 221 246 277 327 416 415 -292 -306 -312 -288	.277 .288 .293 .297 .296 .297 .295 .288 .281 .273 .288 .243 .233 .236 .243 .243 .243 .244 .301 .360 .412	255 2254 2257 260 268 277 282 279 272 265 258 250 247 248 270 248 270 247 248 270 248 270 247 248 270 287 287 287 287 287 287 287 287	-146 -145 -158 -191 -220 -240 -246 -249 -252 -256 -262 -270 -287 -313 -349 -374 -395 -420 -430 -419	**371 **386 **384 **376 **352 **318 **274 **243 **222 **213 **223 **249 **304 **06 **568 **699 **660 ***434 ***436 ***429 ***384 ***436 ***429 ***384 ***343 ***336	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635 547 460 492 617 788 844
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -3.500 -1.750 -1.500 -1.750 -1.500 -375 -1.500 -375 -1.500 -375 -1.500 -375 -1.500 -375 -1.500 -375 -1.500 -375 -1.500 -375 -1.500 -375 -1.500 -375 -1.500 -375 -1.500 -375 -1.500 -375 -1.500 -375 -1.500 -375 -1.500 -375 -1.500 -375 -1.500 -3750 -3.500 -3750 -3.500 -3.	.026 .249 .325 .346 .348 .342 .343 .339 .331 .277 .244 .231 .223 .225 .237 .263 .316 .411 .416	156 289 320 322 327 327 329 325 310 297 275 225 223 225 243 412 - 266 - 306 - 330 - 330 - 269 - 225	279 301 316 313 315 311 314 310 305 297 284 268 248 235 226 231 246 277 327 416 415 -292 -299 -306 -316 -323 -312 -286 -255	.277 .288 .293 .297 .290 .296 .297 .295 .288 .281 .273 .258 .243 .233 .243 .244 .301 .360 .412	-255 -254 -257 -260 -268 -277 -282 -279 -272 -265 -255 -250 -247 -248 -270 -248 -409 -4436 -409 -4362 -409 -4362 -409 -4362 -409 -4362 -43	-146 -145 -158 -191 -220 -246 -249 -252 -270 -287 -313 -349 -3742862883163303337	**371 **386 **384 **376 **352 **318 **274 **243 **222 **213 **223 **249 **304 **406 **568 **699 **660 ***433 ***434 ***436 ***429 ***336 ***429 ***336 ***429 ***336 ***343 ***346 ***346 ***347 ***346 ***346 ***347 ***346 ***346 ***346 ***346 ***346 ***347 ***346 ***346 ***346 ***346 ***346 ***346 ***346 ***346 ***346 ***346 ***346 ***346 ***346	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635 547 460 492 617 788 844
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.750 -1.500 -1.250 -1.000 -750 -1.250 -1.000 -750 -1.000 -750 -1.000 -750 -1.000 -750 -1.000 -750 -1.000 -750 -1.000 -750 -1.000 -750 -1.000 -750 -1.000 -750 -1.000 -750 -750 -750 -750 -750 -750 -750 -	.026 .249 .325 .346 .348 .343 .339 .337 .301 .277 .244 .231 .223 .225 .237 .263 .316 .411 .416 .293 .309 .309 .309 .309 .309 .309 .309 .3	156 289 320 322 332 337 329 335 319 310 297 275 225 225 223 225 243 313 412 -296 -306 -309 -320 -313 -300 -289 -225	279 301 316 313 315 311 314 310 305 297 284 288 228 228 221 246 277 327 416 415 -292 -306 -312 -286 -323 -316 -323 -312 -286 -323 -322 -286 -323 -322 -286 -323 -322 -286 -323 -322 -286 -323 -322 -286 -323 -322 -286 -323	.277 .288 .293 .297 .296 .297 .295 .288 .281 .273 .288 .243 .243 .258 .258 .258 .258 .258 .258 .258 .258	255 254 257 260 268 277 282 279 272 265 258 250 2247 248 277 248 272 247 247 248 277 248 277 248 277 248 277 248 277 248 277 248 277 248 277 248 259 279 279 279 279 279 279 279 279 279 27	-146 -145 -158 -191 -220 -240 -249 -252 -256 -262 -270 -287 -313 -349 -374 -395 -420 -430 -419	**371 **386 **394 **376 **352 **318 **274 **243 **222 **213 **223 **229 **304 **06 **568 **569 **660 ***434 **434 ***434	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635 547 460 492 617 788 844
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.000 -3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500	.026 .249 .325 .346 .348 .343 .339 .3317 .201 .227 .223 .225 .237 .263 .316 .411 .416 .293 -303 -309 -309 -309 -293 -293 -293 -293 -293 -293 -293 -29	156 289 320 322 332 332 332 337 329 325 319 310 297 275 235 223 225 243 264 313 412 -296 -306 -309 -320 -313 -300 -269 -225 -225 -225 -226	279 301 316 313 315 311 314 310 305 297 284 288 248 235 226 231 246 277 327 416 415 -292 -299 -306 -316 -323 -312 -286 -255 -220	.277 .288 .293 .297 .290 .296 .297 .295 .288 .281 .273 .258 .243 .233 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .243 .256 .264 .360 .360 .360 .360 .360 .360 .360 .360	255 254 257 260 268 277 282 279 272 265 250 247 248 270 287 316 362 409 442 -288 -298 -298 -330 -339 -342 -344 -354 -	-146 -145 -158 -191 -220 -246 -249 -252 -256 -262 -270 -287 -313 -349 -374 -374 -337 -344 -377	.371 .386 .384 .376 .387 .387 .388 .274 .243 .223 .223 .229 .304 .406 .568 .699 .660 .434 .433 .436 .436 .433 .3384 .343 .3436 .277 .283	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635 547 460 492 617 788 844
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -7.50 -1.250 -1.000 -7.750 -1.250 -1.000 -7.750 -1.250 -1.000 -7.750 -1.250	.026 .249 .325 .346 .348 .342 .337 .337 .301 .277 .244 .231 .223 .225 .237 .263 .316 .411 .416 .293 .297 .309 .309 .309 .309 .309 .309 .309 .309	. 156 . 289 . 320 . 332 . 332 . 327 . 329 . 335 . 310 . 297 . 275 . 225 . 225 . 223 . 225 . 223 . 225 . 233 . 243 . 313 . 412 . 296 . 306 . 309 . 320 . 313 . 300 . 269 . 320 . 313 . 300 . 269 . 320 . 313 . 300 . 269 . 3178 . 318	279 301 316 313 315 311 314 310 305 297 284 288 225 226 221 246 277 327 416 415	.277 .288 .293 .297 .296 .297 .295 .281 .273 .288 .233 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .244 .256 .266 .277 .286 .286 .286 .286 .286 .286 .286 .286	.255 .254 .257 .260 .268 .277 .282 .279 .272 .265 .258 .250 .247 .248 .277 .248 .270 .287 .287 .287 .362 .409 .436 .422	-146 -145 -158 -191 -220 -240 -249 -252 -256 -262 -270 -287 -313 -349 -374 -395 -316 -330 -337 -344 -337 -384	**371 **386 **384 **376 **352 **318 **274 **243 **222 **213 **223 **229 **304 **066 **568 **699 **560 **-433 **-436 **-433 **-436 **-433 **-436 **-433 **-436 **-336 **-277 **-283 **-202	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635 547 460 492 617 788 844
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.000 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.750 -1.500 -1.750 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750	.026 .249 .325 .346 .348 .348 .343 .339 .3317 .201 .227 .244 .231 .223 .225 .237 .263 .316 .411 .416 .293 .293 .293 .201 .271 .208 .208 .208 .209 .208	. 156 . 289 . 320 . 332 . 332 . 337 . 329 . 325 . 319 . 310 . 297 . 275 . 225 . 225 . 225 . 224 . 313 . 412 . 296 . 306 . 309 . 320 . 313 . 300 . 269 . 235 . 224 . 313 . 319	279 301 316 313 315 311 314 310 305 297 284 288 248 235 226 231 246 277 327 415 415 -292 -299 -306 -316 -323 -312 -286 -225 -200 -167 -142	.277 .288 .293 .297 .290 .296 .297 .295 .288 .281 .273 .258 .243 .233 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .236 .243 .256 .264 .360 .360 .360 .360 .360 .360 .360 .360	-255 -254 -257 -260 -268 -277 -282 -279 -272 -265 -250 -247 -248 -270 -287 -316 -362 -409 -422 -288 -298 -315 -339 -342 -335 -342 -335 -342 -335 -342 -335 -311 -282	-146 -145 -158 -191 -220 -246 -249 -252 -256 -262 -270 -287 -313 -349 -374 -395 -286 -298 -316 -330 -337 -3344 -374 -386 -329	.371 .386 .384 .376 .387 .387 .387 .387 .277 .243 .222 .213 .249 .304 .406 .568 .699 .660 .424 .433 .436 .436 .429 .384 .384 .384 .384 .384 .384 .384 .384	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635 547 460 492 617 788 844
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -7.750 -1.250 -1.000 -7.750 -1.250 -1.000 -7.750 -1.250 -1.000 -7.750 -1.250 -1	.026 .249 .325 .346 .348 .342 .337 .337 .301 .277 .244 .231 .223 .225 .237 .263 .316 .411 .416 .293 .309 .309 .309 .309 .309 .309 .309 .3	. 156 . 289 . 320 . 332 . 332 . 327 . 329 . 335 . 310 . 297 . 275 . 235 . 225 . 223 . 225 . 223 . 225 . 233 . 264 . 313 . 412 . 296 . 300 . 309 . 320 . 313 . 300 . 289 . 320 . 313 . 310	279 301 316 313 315 311 314 310 305 297 284 268 225 226 221 246 277 327 416 415	.277 .288 .293 .297 .296 .297 .296 .297 .295 .288 .281 .273 .258 .243 .233 .243 .235 .243 .236 .243 .301 .360 .412 .290 .299 .305 .318 .309 .299 .249 .305 .318 .309 .299 .249 .318 .319 .319 .319 .319 .319 .319 .319 .319	-255 -254 -257 -260 -268 -277 -282 -272 -265 -258 -250 -247 -248 -270 -281 -282 -409 -436 -422 -281 -288 -298 -315 -330 -330 -344 -335 -311 -288 -334 -344 -335 -311 -288	-146 -145 -158 -191 -220 -246 -249 -252 -256 -262 -270 -287 -313 -349 -374 -395 -330 -331 -334 -334 -336 -339 -337 -344 -3384 -3374	**371 **386 **384 **376 **352 **318 **274 **243 **222 **213 **223 **229 **304 **066 **568 **699 **560 **-433 **-436 **-433 **-436 **-433 **-436 **-433 **-436 **-336 **-277 **-283 **-202	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -3.000 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1	.026 .249 .325 .346 .348 .348 .343 .339 .317 .201 .227 .244 .231 .223 .225 .237 .263 .316 .411 .416 .293 .297 .309 .309 .309 .309 .309 .309 .309 .309	156 289 320 332 332 337 329 325 319 310 297 275 225 225 225 243 313 412 -296 -306 -309 -320 -313 -300 -269 -225 -224 -178 -152 -151 -108	279 301 316 313 315 311 314 310 305 297 284 288 288 288 226 231 246 277 327 416 415 -292 -299 -306 -313 -312 -288 -285 -216 -316 -323 -312 -288 -255 -220 -167 -142 -122 -099	.277 .288 .293 .297 .290 .296 .297 .295 .288 .281 .273 .258 .243 .233 .236 .243 .264 .301 .380 .412 .290 .299 .305 .318 .330 .319 .290 .299 .201 .214 .184 .186 .150	255 254 257 260 268 277 282 279 272 265 258 279 272 265 258 277 248 270 287 216 248 270 287 216 248 270 287 216 362 409 436 422	-146 -145 -158 -191 -220 -246 -249 -252 -256 -262 -270 -287 -313 -344 -395 -420 -430 -419	.371 .386 .384 .376 .387 .387 .387 .387 .277 .243 .222 .213 .249 .304 .406 .568 .699 .660 .424 .433 .436 .436 .429 .384 .384 .384 .384 .384 .384 .384 .384	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -1.250 -1.000 -750 -1.250 -1.000 -750 -1.250 -	.026 .249 .325 .346 .348 .342 .337 .337 .301 .277 .244 .231 .223 .225 .223 .223 .223 .223 .229 .229 .237 .263 .316 .411 .416 .293 .309 .309 .309 .309 .309 .309 .309 .3	156 289 320 322 327 327 329 325 310 297 275 225 223 225 224 313 412 -296 -306 -309 -320 -313 -300 -269 -275 -275 -275 -275 -275 -275 -275 -275	279 301 316 313 315 311 314 310 305 297 284 268 225 226 221 221 246 277 327 416 415	.277 .288 .293 .297 .290 .296 .297 .297 .295 .288 .281 .273 .288 .283 .233 .243 .233 .243 .235 .243 .231 .350 .412 .290 .299 .305 .318 .330 .319 .309 .209 .243 .311 .360 .311 .360 .311 .360 .311 .360 .311 .360 .311 .360 .311 .360 .311 .360 .311 .360 .311 .360 .311 .360 .371 .360 .371 .371 .371 .371 .371 .371 .371 .371	.255 .254 .257 .260 .268 .277 .282 .279 .272 .265 .258 .250 .247 .248 .270 .282 .409 .436 .422 .281 .282 .409 .436 .422 .281 .288 .339 .436 .422	-146 -145 -158 -191 -220 -246 -249 -252 -256 -262 -270 -287 -313 -349 -374 -395 -330 -331 -334 -3386 -339 -3372 -385 -3772 -385 -3778	.371 .386 .384 .376 .387 .387 .387 .387 .277 .243 .222 .213 .249 .304 .406 .568 .699 .660 .424 .433 .436 .436 .429 .384 .384 .384 .384 .384 .384 .384 .384	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -1.750 -1.500 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1	.026 .249 .325 .346 .348 .348 .343 .339 .337 .301 .277 .244 .231 .223 .225 .237 .263 .316 .411 .416 -293 -297 -303 -309 -306 -293 -271 -229 -208 -183 -156 -1139 -085 -051	156 289 320 332 332 337 329 335 319 310 297 275 225 223 225 243 313 412 -296 -309 -320 -313 -300 -269 -225 -249 -178 -152 -151 -108 -076 -058	279 301 316 313 315 311 314 310 305 297 284 288 288 288 288 288 235 266 277 327 416 415 -292 -299 -306 -313 -312 -288 -285 -226 -311 -246 -311 -322 -299 -306 -3167 -312 -288 -255 -222 -200 -167 -112 -1085 -095 -095	.277 .288 .293 .297 .296 .297 .295 .288 .281 .273 .288 .243 .235 .243 .256 .301 .360 .412 .299 .305 .318 .330 .319 .309 .299 .200 .214 .186 .188 .188 .188	255 254 257 260 268 277 282 279 275 265 258 257 248 270 248 270 248 270 248 270 248 270 248 270 248 270 248 270 248 270 248 270 248 270 248 270 248 270 248 270 248 270 287 2316 248 270 287 2316 248 270 287 2316 258 258 258 258 258 258 258 258 258 258	-146 -145 -158 -191 -220 -246 -249 -252 -256 -262 -270 -287 -313 -374 -395 -420 -430 -419286 -330 -337 -3344 -3344 -3346 -329 -3372 -3385 -3378 -3385 -3378 -3416	.371 .386 .384 .376 .387 .387 .387 .387 .277 .243 .222 .213 .249 .304 .406 .568 .699 .660 .424 .433 .436 .436 .429 .384 .384 .384 .384 .384 .384 .384 .384	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.250 -2.500 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250	.026 .249 .325 .346 .348 .342 .337 .337 .301 .277 .244 .231 .223 .225 .223 .223 .223 .223 .229 .229 .237 .263 .316 .411 .416 .293 .309 .309 .309 .309 .309 .309 .309 .3	156 289 320 322 327 327 329 325 310 297 275 225 223 225 224 313 412 -296 -306 -309 -320 -313 -300 -269 -275 -275 -275 -275 -275 -275 -275 -275	279 301 316 313 315 311 314 310 305 297 284 268 225 226 221 221 246 277 327 416 415	.277 .288 .293 .297 .290 .296 .297 .297 .295 .288 .281 .273 .288 .283 .233 .243 .233 .243 .235 .243 .231 .350 .412 .290 .299 .305 .318 .330 .319 .309 .209 .243 .311 .360 .311 .360 .311 .360 .311 .360 .311 .360 .311 .360 .311 .360 .311 .360 .311 .360 .311 .360 .311 .360 .371 .360 .371 .371 .371 .371 .371 .371 .371 .371	.255 .254 .257 .260 .268 .277 .282 .279 .272 .265 .258 .250 .247 .248 .270 .282 .409 .436 .422 .281 .282 .409 .436 .422 .281 .288 .339 .436 .422	-146 -145 -158 -191 -220 -246 -249 -252 -256 -262 -270 -287 -313 -349 -374 -395 -330 -331 -334 -3386 -339 -3372 -385 -3772 -385 -3778	.371 .386 .384 .376 .387 .387 .387 .387 .277 .243 .222 .213 .249 .304 .406 .568 .699 .660 .424 .433 .436 .436 .429 .384 .384 .384 .384 .384 .384 .384 .384	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 307 . 282 . 297 . 335 . 123 293 291 287 287 272 635

Table 17 Continued
Plate and Spoiler Pressure Coefficients

Configuration 8 M= 1.61 R= 0.56 ×106

							Same The Edition		
				Plate			1 0- 0	Spoi	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ= -4	5				
-6.000 -5.500	•010	•020 •194	• 250 • 276	•283 •288	•243	•084		1 2	• 375 • 357
-5.000	.208	•268	.289	.289	•250 •258	•064		3	.322
-4.500	•286	• 293	.296	•291	•264	•058		4	.313
-4.000	•307	•301	•291	•290	•259	•102	• 235	5	.344
-3.500 -3.000	•314 •310	•300 •298	· 292 · 288	• 286 • 266	•241	•130 •132	•321 •342	6 7	• 412
-2.750	•310	•302	.281	• 250	•209 •191	•139	• 343	8	241
-2.500	•302	• 288	.265	•231	•178	•143	•343	9	244
-2.250	•284	• 267	• 241	.205	•156	•149	• 326	10	237
-2.000 -1.750	•255	•241 •211	•217 •187	•181 •168	•143 •145	•162 •185	•300 •250	11	226 .672
-1.500	187	•175	.158	.157	•157	•214	•214	13	.666
-1.250	•149	•157	•142	•150	•179	• 261	•201	14	.671
-1.000	•147	148	•151	•158	•188	•307	• 215	15	• 701 • 731
750 625	•170 •196	•168 •193	•179 •208	•198 •235	•257	•339 •360	• 290	17	.399
500	• 235	•241	• 248	.281	•334	•371	• 481	18	.560
375	•291	.288	.308	•332	•368	•379	• 585	19	452
250	•353	*348	.354	•374	•393	•386	•660	20	430
125	• 401 • 393	.392	·398 ·399	•397	•397 •403	•400	•685 •669	21 22	450 410
• 250	241	-,241	236	236			455		
• 375	238	-,243	238	245	238		450		
•500	237	243	243	248	245		453		
• 750	246	261	265	260	265 292	275 300	464		
1.000	279 311	293	301 324	294	319	318	438		
1.500	350	369	343	321	337	346	392	The same of the sa	
1.750	311	318	295	339	331	368	286		
2.000	282	231	235	357	368	381	124		
2.500	-•223 -•163	179 212	329 364	408	420	395	003 .053	The same of the same	
2.750	107	278	351	382	439	437	•066		
3.000	078	263	273	358	430	442	•064		
3.500	038	•049	•005	126	331	449			
4.000	•157 •130	•065	•034	•037	079	405 214			
5.000	•101	.021	.023	•049	.022	121			
5.500	•075	•011	.030	.033	039	209			
6.000	•062	.006	•034	001	106	283			
	-			A =	0			7.7	
				Λ= -6	0				
-6.000	*016	*020 *051	•149	•215	•222	•044		1 2	• 346 • 348
-5.500	•018	•051	•184	•215 •225	0 •222 •227	•059		1 2 3	• 346 • 348 • 350
-5.500 -5.000 -4.500	*018 *029 *128	•051 •137 •190	•184 •209 •222	•215 •225 •229 •237	0 •222 •227 •232 •238	•059 •075 •125		2 3 4	• 348 • 350 • 348
-5.500 -5.000 -4.500 -4.000	*018 *029 *128 *200	.051 .137 .190 .217	•184 •209 •222 •231	•215 •225 •229 •237 •236	0 •222 •227 •232 •238 •232	.059 .075 .125 .144	•012	2 3 4 5	• 348 • 350 • 348 • 340
-5.500 -5.000 -4.500 -4.000 -3.500	*018 *029 *128 *200 *226	.051 .137 .190 .217 .229	•184 •209 •222 •231 •236	•215 •225 •229 •237 •236 •235	0 •222 •227 •232 •238 •232 •221	.059 .075 .125 .144	•090	2 3 4 5 6	• 348 • 350 • 348 • 340 • 308
-5.500 -5.000 -4.500 -4.000 -3.500	*018 *029 *128 *200 *226 *236	.051 .137 .190 .217 .229	•184 •209 •222 •231 •236 •233	.215 .225 .229 .237 .236 .235	0 •222 •227 •232 •238 •232 •232 •232 •232	.059 .075 .125 .144 .158	.090 .219	2 3 4 5 6 7	.348 .350 .348 .340 .308
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750	•018 •029 •128 •200 •226 •236 •236	.051 .137 .190 .217 .229 .236 .238	.184 .209 .222 .231 .236 .233	.215 .225 .229 .237 .236 .235 .233	0 •222 •227 •232 •238 •232 •221	.059 .075 .125 .144	•090	2 3 4 5 6 7 8 9	.348 .350 .348 .340 .308 204 121 160
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250	*018 *029 *128 *200 *226 *236 *236 *237 *240	.051 .137 .190 .217 .229 .236 .238 .235	.184 .209 .222 .231 .236 .233 .239 .234	215 225 229 237 236 235 233 224 209	0 •222 •227 •232 •238 •232 •221 •182 •160 •154 •148	.059 .075 .125 .144 .158 .187 .208 .230	.090 .219 .240 .255 .258	2 3 4 5 6 7 8 9	.348 .350 .348 .340 .308 204 121 160 199
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000	*018 *029 *128 *200 *226 *236 *236 *237 *240 *225	.051 .137 .190 .217 .229 .236 .238 .235 .231	•184 •209 •222 •231 •236 •233 •239 •234 •218	215 • 225 • 229 • 237 • 236 • 235 • 233 • 224 • 209 • 181 • 154	0 •222 •227 •232 •238 •232 •221 •182 •160 •154 •148 •169	.059 .075 .125 .144 .158 .187 .208 .230 .251	.090 .219 .240 .255 .258	2 3 4 5 6 7 8 9 10	. 348 . 350 . 348 . 340 . 308 204 121 160 199 244
-5.500 -5.000 -4.500 -4.000 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750	*018 *029 *128 *200 *226 *236 *237 *240 *225 *200	.051 .137 .190 .217 .229 .236 .238 .235 .231 .217	• 184 • 209 • 222 • 231 • 236 • 233 • 239 • 234 • 218 • 197 • 157	215 225 229 237 236 235 233 224 209 181	0 •222 •227 •232 •232 •232 •221 •182 •160 •154 •148 •169 •201	.059 .075 .125 .144 .158 .187 .208 .230 .251 .275	.090 .219 .240 .255 .258 .257	2 3 4 5 6 7 8 9	.348 .350 .348 .340 .308 204 121 160 199
-5.500 -5.000 -4.500 -4.000 -3.500 -2.750 -2.500 -2.250 -2.500 -1.750 -1.500 -1.250	*018 *029 *128 *200 *226 *236 *237 *240 *225 *225 *225 *2128	.051 .137 .190 .217 .229 .236 .238 .235 .231 .217 .189 .144	.184 .209 .222 .231 .236 .233 .239 .234 .218 .197 .157	• 215 • 225 • 229 • 237 • 236 • 235 • 233 • 224 • 209 • 181 • 154 • 147 • 162 • 203	0 .222 .227 .232 .238 .232 .221 .182 .160 .154 .148 .169 .201 .242 .282	.059 .075 .125 .144 .158 .187 .208 .230 .251 .275 .298 .311	.090 .219 .240 .255 .258 .257 .230 .176	2 3 4 5 6 7 8 9 10 11 12 13 14	• 348 • 350 • 348 • 340 • 308 • 204 • • 121 • • 160 • • 199 • 244 • 444 • 440 • 439
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.250 -1.250 -1.250	.018 .029 .128 .200 .226 .236 .237 .240 .225 .200 .152 .128	.051 .137 .190 .217 .229 .236 .238 .235 .231 .217 .189 .141	.184 .209 .222 .231 .236 .233 .239 .234 .218 .197 .157 .159 .218	• 215 • 225 • 225 • 229 • 237 • 236 • 235 • 233 • 224 • 209 • 181 • 154 • 162 • 203 • 265	0 .222 .227 .232 .238 .238 .238 .231 .182 .160 .154 .148 .169 .201 .242 .282	.059 .075 .125 .144 .158 .187 .208 .230 .251 .275 .298 .311	.090 .219 .240 .255 .258 .257 .230 .176 .155	2 3 4 5 6 7 8 9 10 11 12 13 14 15	348 350 348 340 308 -204 -121 -160 -199 -244 444 440 439 435
-5.500 -5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.500 -1.500 -1.750	**O18 **O29 **128 **200 **226 **236 **237 **240 **225 **200 **152 **182 **272	.051 .137 .190 .217 .229 .236 .238 .235 .231 .217 .189 .141	.184 .209 .222 .231 .236 .233 .239 .234 .218 .197 .157 .157 .157 .218	. 215 . 225 . 225 . 227 . 236 . 235 . 233 . 224 . 209 . 181 . 147 . 162 . 203 . 265 . 310	0 222 227 227 232 232 232 221 182 160 1154 148 201 242 282 265 330	.059 .075 .125 .144 .158 .187 .208 .230 .251 .275 .298 .311	.090 .219 .2240 .255 .258 .257 .230 .176 .155 .195	2 3 4 5 6 7 8 9 10 11 12 13 14 15	348 350 348 340 -308 -204 -121 -160 -199 -244 440 439 435 422
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.250 -1	.018 .029 .128 .200 .226 .236 .237 .240 .225 .152 .152 .152 .182 .272	.051 .197 .190 .217 .229 .236 .238 .235 .221 .217 .189 .141 .187 .277	.184 .209 .222 .231 .236 .233 .239 .234 .218 .197 .157 .157 .218 .293	21.5 22.5 22.9 22.7 23.7 23.5 23.3 22.4 20.9 18.1 1.54 1.62 20.3 2.65 3.10	0 222 227 232 232 232 221 182 160 154 8 148 148 226 242 242 242 265 330 335	.059 .075 .125 .144 .158 .187 .208 .230 .251 .275 .298 .311 .322 .329	.090 .219 .240 .255 .258 .257 .230 .176 .155 .195 .336	2 3 4 5 6 7 8 9 10 11 12 13 14 15	. 348 . 350 . 348 . 340 . 308 . 204 . 121 . 160 . 199 . 244 . 444 . 449 . 439
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.750 -1.500 -7.750 -6.25 -5.500 -3.75	.018 .029 .128 .200 .226 .236 .237 .240 .225 .200 .152 .1128 .128 .272 .311	.051 .137 .190 .217 .229 .236 .238 .235 .231 .217 .189 .141 .187 .277 .277 .219 .228	. 184 . 209 . 222 . 231 . 236 . 239 . 234 . 218 . 197 . 157 . 137 . 159 . 218 . 293 . 317 . 330 . 345	215 225 229 227 236 233 224 209 181 154 162 203 265 310 227	0 2227 2227 232 232 232 232 221 182 160 154 148 169 201 242 282 265 335 335 340	.059 .075 .125 .144 .158 .187 .208 .220 .225 .2775 .298 .311 .322 .334 .334	.090 .219 .240 .255 .258 .257 .230 .176 .155 .195 .336 .423 .453	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	348 350 348 340 308 -204 -121 -160 -199 -244 444 449 435 422 384 -205
-5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -2,750 -2,500 -2,500 -2,200 -1,500 -1	.018 .029 .128 .200 .226 .236 .237 .240 .225 .200 .152 .128 .182 .271 .333 .343 .349	.051 .137 .190 .217 .229 .236 .238 .235 .231 .217 .189 .144 .187 .277 .319	. 184 . 209 . 229 . 231 . 236 . 233 . 239 . 234 . 157 . 157 . 159 . 218 . 293 . 218 . 293 . 218 . 293 . 234 . 233 . 239 . 234 . 235 . 239 . 234 . 235 . 239 . 234 . 235 . 236 . 237 . 237	215 225 227 237 236 235 233 224 209 181 154 147 162 203 265 310	0	.059 .075 .125 .144 .158 .187 .208 .230 .251 .275 .298 .311 .329 .334	.090 .219 .240 .255 .258 .257 .230 .176 .155 .336 .423 .453	2 3 4 5 7 8 9 10 11 12 13 14 15 16 17 18 19	348 350 348 340 308 -204 -121 -160 -199 -244 440 439 435 422 384 -205 -884 -427
-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.750 -1.500 -1.750 -1.250 -1.250	.018 .029 .128 .220 .226 .236 .237 .240 .225 .200 .152 .1128 .128 .272 .311 .333 .343 .349	051 137 190 217 229 236 238 235 231 217 189 141 144 187 227 328 343	.184 .209 .222 .231 .236 .239 .239 .234 .218 .197 .157 .157 .157 .218 .293 .317 .330 .345 .338	.215 .225 .229 .237 .236 .235 .233 .224 .209 .181 .154 .147 .162 .203 .265 .310 .327 .330 .341	0 2227 2227 232 232 232 232 221 182 160 154 148 169 201 242 282 265 335 335 340	.059 .075 .125 .144 .158 .187 .208 .220 .225 .2775 .298 .311 .322 .334 .334	.090 .219 .240 .255 .258 .257 .230 .176 .155 .195 .336 .423 .453	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	3 48 3 50 3 48 3 40 3 20 4 - 121 - 160 - 199 - 244 4 444 4 435 6 422 3 84 - 205
-5.500 -6.500 -6.500 -4.500 -4.500 -2.500 -2.750 -2.2500 -2.2500 -1.750 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	.018 .029 .128 .220 .236 .237 .240 .225 .200 .152 .128 .182 .272 .311 .3343 .349 .350	051 137 190 217 229 236 238 235 221 217 189 114 1144 187 277 319 228 242 343	.184 .209 .222 .231 .236 .239 .239 .234 .218 .197 .157 .159 .218 .299 .317 .330 .345 .345 .347	.215 .225 .229 .237 .236 .233 .224 .209 .181 .1147 .162 .203 .265 .310 .327 .341	0 222 227 227 232 232 232 221 182 160 154 242 242 265 330 335 340 346 351 352	059 075 125 144 158 187 208 221 275 298 311 322 339 334 334	090 2119 2240 255 258 257 230 4176 4155 4195 336 423 453 4454 4452 449	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	348 350 348 340 308 -204 -1121 -160 -199 -244 440 435 422 384 -205 -384 -315
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.250 -2.250 -1.500 -1.500 -1.500 -1.500 -7.500 -3.75 -2.50 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	.018 .029 .128 .200 .226 .236 .237 .240 .225 .152 .152 .152 .272 .311 .333 .343 .349 .359	.051 .137 .190 .217 .229 .236 .238 .235 .221 .217 .189 .141 .187 .277 .219 .328 .343 .356	. 184 . 209 . 222 . 231 . 236 . 239 . 234 . 218 . 197 . 137 . 157 . 218 . 293 . 317 . 330 . 345 . 338 . 347 . 361	.215 .225 .229 .237 .236 .235 .233 .224 .209 .181 .154 .147 .162 .203 .265 .310 .327 .330 .341 .347	0 .222 .227 .232 .238 .232 .238 .232 .160 .154 .148 .169 .201 .242 .265 .330 .335 .346 .351 .352	059 075 125 144 158 187 208 221 275 298 311 322 339 334 334	.090 .219 .240 .255 .258 .257 .230 .176 .195 .423 .453 .454 .454 .454	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	348 350 348 340 308 -204 -1121 -160 -199 -244 440 435 422 384 -205 -384 -315
-5.500 -6.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.250	.018 .029 .128 .200 .226 .236 .237 .240 .225 .200 .152 .128 .182 .272 .311 .331 .343 .349 .359	.051 .137 .190 .217 .229 .236 .238 .235 .221 .217 .189 .141 .144 .187 .277 .319 .342 .343 .356	. 184 . 209 . 222 . 231 . 236 . 239 . 239 . 234 . 218 . 197 . 157 . 159 . 218 . 293 . 317 . 330 . 345 . 347 . 356 . 347 . 347	.215 .225 .229 .237 .236 .233 .224 .209 .181 .154 .147 .162 .203 .265 .310 .327 .341 .347	0 •222 •237 •232 •238 •232 •231 •180 •154 •148 •169 •201 •242 •282 •265 •330 •335 •346 •351 •352 •365	059 075 125 144 158 187 208 221 275 298 311 322 339 334 334	090 2119 2240 255 258 257 230 4176 4155 4195 336 423 453 4454 4452 449	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	348 350 348 340 308 -204 -1121 -160 -199 -244 440 435 422 384 -205 -384 -315
-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.500 -1.750 -6.25 -5.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -3.75 -3.75	.018 .029 .128 .200 .226 .236 .237 .240 .225 .128 .152 .272 .311 .333 .343 .349 .359 .359	.051 .137 .190 .217 .229 .235 .231 .217 .189 .141 .187 .277 .319 .342 .343 .356	. 184 . 209 . 222 . 231 . 236 . 239 . 234 . 218 . 197 . 157 . 157 . 137 . 218 . 293 . 317 . 330 . 345 . 338 . 347 . 361	215 225 229 227 236 235 233 224 209 181 154 147 162 203 265 310 327 330 241 347 360	0 •222 •227 •232 •238 •232 •221 •180 •154 •1148 •169 •201 •242 •282 •265 •330 •335 •346 •351 •352 •365	.059 .075 .125 .144 .158 .187 .208 .251 .275 .298 .311 .322 .299 .334 .334 .334	.090 .219 .229 .225 .255 .258 .257 .230 .176 .175 .195 .336 .423 .453 .453 .454 .454 .454 .454 .454 .45	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	348 350 348 340 308 -204 -1121 -160 -199 -244 440 435 422 384 -205 -384 -315
-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.750 -1.500 -7.750 -1.250 -1	.018 .029 .128 .220 .226 .236 .237 .240 .225 .200 .152 .182 .272 .311 .333 .343 .349 .350 .359	.051 .137 .190 .217 .229 .236 .238 .235 .231 .217 .189 .141 .187 .277 .218 .228 .343 .356 .318 .356	. 184 . 209 . 222 . 231 . 236 . 239 . 234 . 218 . 197 . 157 . 157 . 159 . 218 . 293 . 317 . 330 . 345 . 338 . 347 . 361 127 145 179 204 257	.215 .225 .229 .237 .236 .233 .224 .209 .181 .154 .162 .203 .265 .310 .227 .330 .341 .347 .360	0 .222 .227 .238 .238 .232 .211 .180 .154 .148 .169 .201 .242 .282 .265 .330 .340 .346 .351 .352 .365	.059 .075 .125 .124 .138 .187 .208 .221 .275 .298 .311 .322 .329 .334 .334 .339 .346	.090 .219 .240 .255 .258 .257 .230 .176 .155 .195 .423 .454 .454 .452 .449 -395 -403 -395 -390 -390 -390 -390 -390 -390 -390 -390	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	348 350 348 340 308 -204 -1121 -160 -199 -244 440 435 422 384 -205 -384 -315
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.000 -2.750 -2.500 -2.000 -1.750 -1.500 -1.500 -1.250 -1.000 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -1.25 -3.000 -3.75 -1.25 -3.000 -3.75 -1.250 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.750 -3.000 -3.750 -3.000 -3.25	.018 .029 .128 .200 .226 .236 .237 .240 .225 .200 .152 .128 .182 .272 .311 .343 .343 .349 .359 .359	.051 .137 .190 .217 .229 .235 .231 .217 .189 .141 .187 .277 .319 .228 .343 .343 .356	. 184 209 222 231 236 239 239 234 218 197 1157 1157 218 293 317 330 345 347 347 -1145 -1179 -214 330 347 -338 347 -317 -327 -327 -327 -327 -327 -327 -327 -32	21.5 22.5 22.9 22.7 23.6 23.5 23.3 22.4 20.9 1.81 1.15.4 1.16.2 20.3 26.5 31.0 32.7 33.0 32.7 33.0 34.1 34.7 36.0	0 •222 •227 •232 •238 •232 •221 •180 •154 •148 •169 •201 •242 •282 •265 •330 •335 •346 •351 •352 •365 •169 •212 •241 •3302 •388	.059 .075 .125 .124 .158 .187 .208 .220 .221 .275 .298 .311 .322 .329 .331 .334 .334 .339 .346	.090 .219 .240 .255 .258 .257 .230 .176 .155 .195 .336 .423 .453 .453 .454 .454 .454 .454 .454 .45	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	348 350 348 340 308 -204 -1121 -160 -199 -244 440 435 422 384 -205 -384 -315
-5.500 -6.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.500 -1.250	.018 .019 .128 .220 .226 .236 .237 .240 .225 .200 .152 .182 .272 .311 .333 .343 .349 .350 .359117136292 .321386	.051 .137 .190 .217 .229 .238 .235 .231 .217 .189 .141 .144 .187 .277 .219 .342 .343 .356 .122 .153 .356	. 184 . 209 . 222 . 231 . 236 . 239 . 239 . 234 . 218 . 197 . 157 . 157 . 159 . 218 . 293 . 345 . 330 . 345 . 336 . 347 . 361 127 145 179	215 225 225 227 237 236 233 224 209 181 154 162 203 265 310 327 330 341 347	0 .222 .227 .238 .238 .232 .211 .182 .160 .154 .148 .169 .201 .242 .282 .265 .330 .335 .340 .351 .352 .365 -169 .212 -2241 -3302 -3388 -439	.059 .075 .125 .124 .138 .187 .208 .221 .275 .298 .311 .322 .329 .334 .334 .334 .339 .346	.090 .219 .240 .255 .258 .257 .230 .176 .155 .195 .336 .423 .454 .452 .4454 .452 .449 .395 .395 .395 .395 .395 .395 .395 .39	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	348 350 348 340 308 -204 -1121 -160 -199 -244 440 435 422 384 -205 -384 -315
-5.500 -6.500 -6.500 -6.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750	.018 .029 .128 .200 .226 .236 .237 .240 .225 .200 .152 .128 .182 .272 .311 .333 .343 .349 .350 .359 -117 -1136 -292 -321 -318	.051 .137 .190 .217 .229 .236 .238 .235 .221 .217 .189 .141 .187 .277 .219 .228 .343 .356 .356 .313 .356	. 184 209 222 231 236 239 239 234 218 217 157 1157 218 293 317 330 345 238 347 -1145 -179 -296 -297 -297 -297 -297 -297 -297 -297 -297	.21,5 .22,5 .22,9 .23,7 .23,5 .23,5 .23,5 .23,5 .23,6 .20,9 .181 .154 .114,7 .162 .265 .310 .32,7 .330 .34,7 .34,7 .360	0 .222 .227 .232 .238 .232 .221 .180 .154 .148 .169 .201 .242 .282 .265 .330 .3350 .3351 .352 .365 -169 -212 -241 -328 -2439 -4439 -4418	.059 .075 .125 .124 .158 .187 .208 .220 .221 .275 .298 .311 .322 .329 .331 .334 .334 .339 .346	.090 .219 .240 .255 .258 .257 .230 .176 .155 .195 .336 .423 .453 .453 .454 .454 .454 .454 .454 .45	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	348 350 348 340 308 -204 -1121 -160 -199 -244 440 435 422 384 -205 -384 -315
-5.500 -6.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.250 -2.250 -1.750 -1.500 -1.500 -1.500 -1.250 -3.75 -2.50 -3.75 -2.50 -3.75 -1.25 -3.000 -7.750 -1.250 -7.750 -1.250 -7.750 -1.250 -7.750 -1.250 -7.750 -1.250 -7.750 -1.250 -7.750 -	.018 .029 .128 .200 .226 .236 .237 .240 .225 .128 .182 .272 .311 .333 .343 .349 .359 .359 .117 -117 -117 -116 -292 .321 .321 .331	.051 .137 .190 .217 .229 .238 .235 .231 .217 .189 .141 .144 .187 .277 .219 .342 .343 .356 .122 .153 .356	. 184 . 209 . 222 . 231 . 236 . 239 . 234 . 218 . 197 . 137 . 159 . 218 . 293 . 317 . 330 . 345 . 338 . 347 . 361 127 145 179 298 299 218 	.215 .225 .229 .237 .236 .235 .233 .224 .209 .811 .154 .147 .162 .203 .265 .310 .327 .330 .347 .341 .347 .360	0	.059 .075 .125 .124 .158 .187 .208 .221 .275 .298 .311 .322 .329 .334 .334 .334 .334 .334 .336 .362	.090 .219 .229 .255 .258 .257 .230 .176 .175 .195 .336 .423 .453 .453 .454 .454 .454 .454 .454 .45	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	348 350 348 340 308 -204 -1121 -160 -199 -244 440 435 422 384 -205 -384 -315
-5.500 -6.500 -6.500 -6.500 -6.500 -7	.018 .029 .128 .220 .226 .236 .237 .240 .225 .200 .152 .128 .182 .272 .311 .333 .343 .343 .359 -117 -117 -1136 -292 -386 -283 -117 -117 -117 -118	.051 .137 .190 .217 .229 .236 .238 .235 .221 .217 .189 .141 .144 .187 .277 .319 .228 .342 .343 .356	. 184 . 209 . 222 . 231 . 236 . 239 . 234 . 218 . 197 . 157 . 159 . 218 . 299 . 317 . 330 . 345 . 338 . 347 . 361 . 37 . 39 . 317 . 330 . 347 . 361 . 37 . 39 . 317 . 31	.215 .225 .229 .237 .236 .235 .233 .224 .209 .181 .147 .162 .203 .265 .310 .327 .330 .341 .347 .360 .274 .297 .297 .299 .310 .310 .310 .310 .310 .310 .310 .310	0 •222 •227 •232 •232 •238 •232 •180 •154 •1148 •169 •201 •242 •282 •265 •330 •335 •346 •351 •352 •365 •169 •212 •282 •282 •282 •383 •377 •388 •348 •377 •388 •377	.059 .075 .125 .128 .187 .208 .221 .275 .298 .311 .322 .229 .334 .334 .339 .346 .362	.090 .219 .229 .255 .258 .257 .230 .176 .155 .195 .336 .423 .453 .454 .452 .449 .449 .449 .449 .449 .470 .470 .470 .470 .470 .470 .470 .470	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	348 350 348 340 308 -204 -1121 -160 -199 -244 440 435 422 384 -205 -384 -315
-5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,250 -2,250 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -3,7	.018 .019 .128 .200 .226 .236 .237 .240 .225 .152 .152 .152 .272 .311 .333 .349 .359 .359 .117 .117 .117 .116 .292 .292 .272 .311	.051 .137 .190 .217 .229 .236 .238 .235 .231 .217 .189 .141 .144 .187 .277 .219 .328 .343 .356 .319 .356 .319 .356 .319 .342 .343 .356 .344 .349 .349 .349 .349 .349 .349 .349	.184 .209 .222 .231 .236 .239 .234 .218 .197 .157 .157 .137 .159 .218 .293 .317 .330 .345 .338 .347 .361 -1179 -204 -2189 -2199 -2199 -2190 -2190 -0100	.215 .225 .229 .237 .236 .233 .224 .209 .811 .154 .147 .162 .203 .265 .310 .327 .330 .347 .341 .347 .360	0 .222 .227 .232 .238 .232 .221 .180 .154 .148 .169 .201 .242 .265 .330 .335 .346 .351 .352 .365 -1169 .212 -241 -302 -388 -4439 -4439 -4439 -4439 -192	.059 .075 .125 .124 .158 .187 .208 .229 .221 .275 .298 .311 .3229 .331 .334 .334 .334 .334 .334 .336 .362	.090 .219 .229 .255 .258 .257 .230 .176 .175 .195 .336 .423 .453 .453 .454 .454 .454 .454 .454 .45	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	348 350 348 340 308 -204 -1121 -160 -199 -244 440 435 422 384 -205 -384 -315
-5.500 -6.500 -6.500 -6.500 -2.500 -3.500 -2.500 -2.250 -2.250 -1.750 -1.500 -1.250 -1	.018 .019 .128 .220 .236 .237 .240 .225 .200 .152 .128 .182 .272 .311 .333 .343 .343 .359 -117 -117 -136 -227 -388 -283 -179 -117 -117 -064 -034 -0016	.051 .137 .190 .217 .229 .236 .238 .231 .217 .189 .141 .144 .187 .277 .319 .342 .343 .356 .231 .231 .231 .231 .231 .231 .231 .231	.184 .209 .222 .231 .236 .233 .229 .234 .218 .197 .157 .159 .218 .293 .317 .351 .345 .338 .347 .361 -127 -1145 -1179 -304 -357 -1196 -329 -219 -110 -040 -010	.215 .225 .229 .237 .236 .233 .224 .209 .181 .154 .162 .203 .265 .310 .327 .330 .341 .347 .360 .265 .3169 .274 .293 .274 .360 .3169 .293 .3169	0 •222 •227 •232 •232 •238 •232 •180 •154 •1148 •169 •201 •242 •282 •265 •330 •335 •346 •351 •352 •365 •169 •212 •282 •282 •282 •383 •377 •388 •348 •377 •388 •377	.059 .075 .125 .128 .187 .208 .221 .275 .298 .311 .322 .229 .334 .334 .339 .346 .362	.090 .219 .229 .255 .258 .257 .230 .176 .155 .195 .336 .423 .453 .454 .452 .449 .449 .449 .449 .449 .470 .470 .470 .470 .470 .470 .470 .470	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	348 350 348 340 308 -204 -1121 -160 -199 -244 440 435 422 384 -205 -384 -315
-5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,250 -2,250 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -3,7	.018 .019 .128 .200 .226 .236 .237 .240 .225 .152 .152 .152 .272 .311 .333 .349 .359 .359 .117 .117 .117 .116 .292 .292 .272 .311	.051 .137 .190 .217 .229 .236 .238 .235 .231 .217 .189 .141 .144 .187 .277 .219 .328 .343 .356 .319 .356 .319 .356 .319 .342 .343 .356 .344 .349 .349 .349 .349 .349 .349 .349	. 184 . 209 . 222 . 231 . 236 . 233 . 229 . 234 . 218 . 197 . 157 . 159 . 218 . 293 . 317 . 345 . 293 . 347 . 361 . 27 . 145 145 149 257 149 299	.215 .225 .229 .237 .236 .233 .224 .209 .811 .154 .147 .162 .203 .265 .310 .327 .330 .347 .341 .347 .360	0 -222 -227 -232 -238 -232 -221 -182 -160 -154 -148 -169 -201 -242 -282 -265 -330 -335 -346 -351 -352 -365 -169 -2212 -241 -302 -288 -439 -418 -377 -368 -297 -1192 -071	.059 .075 .125 .125 .144 .158 .187 .208 .251 .275 .298 .311 .322 .329 .334 .334 .339 .346 .362	.090 .219 .229 .255 .258 .257 .230 .176 .175 .195 .336 .423 .453 .453 .454 .454 .454 .454 .454 .45	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	348 350 348 340 308 -204 -1121 -160 -199 -244 440 435 422 384 -205 -384 -315
-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.250 -2.250 -1.750 -1.500 -1.500 -1.250 -1	.018 .029 .128 .220 .226 .236 .237 .240 .225 .200 .152 .182 .272 .311 .333 .344 .349 .350 .359117136292 .321414386283179117117136293117117136293117136293117136293117136293117136293117136293117136293117136293117136293117136	.051 .137 .190 .217 .229 .238 .235 .231 .217 .189 .141 .144 .187 .277 .219 .342 .343 .356122 .153314428 .291 .149 .040 .015 .034 .009 .006	. 184 . 209 . 222 . 231 . 236 . 239 . 234 . 218 . 197 . 157 . 157 . 157 . 157 . 137 . 159 . 218 . 293 . 317 . 330 . 345 . 338 . 347 . 361 179 204 257 179 219 	.215 .225 .229 .237 .236 .233 .224 .209 .181 .154 .162 .203 .265 .310 .227 .330 .241 .347 .360 .341 .347 .360 .265 .310 .327 .341 .347 .360 .341 .347 .360 .360 .360 .360 .360 .360 .360 .360	0 .222 .227 .232 .238 .232 .238 .232 .180 .154 .148 .169 .201 .242 .265 .330 .335 .340 .351 .352 .365 .365 .365 .366 .377 .368 .4377 .368 .4377 .368 .4377 .368 .4377 .368 .4377 .368 .4377 .368 .4377 .368 .4377 .368 .4377 .368	.059 .075 .125 .124 .187 .208 .220 .251 .275 .298 .311 .322 .329 .334 .334 .334 .334 .339 .346 .362	.090 .219 .229 .255 .258 .257 .230 .176 .175 .195 .336 .423 .453 .453 .454 .454 .454 .454 .454 .45	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	348 350 348 340 308 -204 -1121 -160 -199 -244 440 435 422 384 -205 -384 -315
-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.250 -2.000 -1.750 -1.250 -1.000 -750 -6.25 -5.000 -1.25 -0.000 -1.250	.018 .029 .128 .220 .226 .236 .237 .240 .225 .200 .152 .128 .182 .272 .311 .3343 .343 .349 .350 .359117136292321381388179112064038016 .013	.051 .137 .190 .217 .229 .236 .238 .231 .217 .189 .141 .144 .187 .277 .319 .342 .343 .356	. 184 . 209 . 222 . 231 . 236 . 233 . 229 . 234 . 218 . 197 . 157 . 159 . 218 . 293 . 317 . 345 . 293 . 347 . 361 . 27 . 145 145 149 257 149 299	.215 .225 .229 .237 .236 .233 .224 .209 .181 .154 .147 .162 .203 .265 .310 .327 .341 .347 .360 .341 .347 .360 .374 .360 .374 .360 .374 .360 .374 .360 .374 .360 .374 .360 .374 .360 .374 .360 .365 .374 .360 .365 .374 .360 .365 .374 .360 .365 .365 .365 .374 .360 .365 .365 .374 .360 .365 .365 .365 .365 .365 .365 .365 .365	0 -222 -232 -238 -232 -238 -232 -160 -154 -148 -169 -201 -242 -282 -265 -330 -335 -346 -351 -352 -365 -169 -221 -332 -241 -332 -365 -169 -212 -241 -332 -365	.059 .075 .125 .125 .144 .158 .187 .208 .251 .275 .298 .311 .322 .329 .334 .334 .339 .346 .362	.090 .219 .229 .255 .258 .257 .230 .176 .175 .195 .336 .423 .453 .453 .454 .454 .454 .454 .454 .45	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	348 350 348 340 308 -204 -1121 -160 -1199 -244 440 435 422 384 -205 -384 -427 -315

Table 17 Concluded
Plate and Spoiler Pressure Coefficients

Configuration 8 M= 1.61 R= 0.56 × 106

				Plate				Spoi	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ= -7	'5 °				
-6.000	•026	•063	•072	•071	•077	•012		1	•089
-5.500	•034	•082	•073	•071	•077	.021		2	+092
-5.000	•066	•086	•070	•070	•080	.046		3	•095
-4.500	•089	•082	.071	•074	•084	.077		4	.088
-4.000	•091	•079	•070	•069	•086	.086	•021	5	.079
-3.500	•085	•073	•071	•073	•088	•091	•040	6	.054
-3.000	•079	•073	•069	•075	•087	.088	•097	7	171
-2.750	.076	•078	•073	•075	•086	.090	•115	8	.057
-2.500	•079	.074	.072	•076	.085	•093	.122	9	111
-2.250	.080	•073	•070	•075	.080	•091	•120	10	171
-2.000	•077	•075	•073	•076	•075	.088	.118	11	172
-1.750	.081	•077	•073	•078	•071	.090	.114	12	.120
-1.500	.080	•074	•070	•077	.075	.085	.110	13	.119
-1.250	•063	.074	•069	•071	•082	.091	•102	14	.119
-1.000	•066	.070	•075	•079	•052	.091	.099	15	.114
750	.075	•078	•079	•083	•091	.093	.107	16	.103
625	.080	•085	•082	.087	•095	.094	•111	17	.083
500	.083	•084	•081	•086	.095	•094	.114	18	028
375	•088	•089	•100	•098	•104	.096	.120	19	104
250	.092	•091	•091	•099	•103	.099	.125	20	420
125	•096		•099		•102		•129	21	118
.000	•106	•104	•110	•111	.114	.110	•125	22	305
•250	•075	•028	•002	004			099		
• 375	•051	012	013	010	001		094		
•500	042	054	035	011	•003		098		
• 750	056	049	041	034	.003	.012	096		
1.000	028	002	023	091	101	065	025		
1.250	•021	059	156	182	220	175	057		
1.500	004	090	~.115	114	190	230	043		
1.750	014	089	063	086	137	233	011		
2.000	028	059	056	065	121	204	003	1	
2.250	058	037	037	029	105	161	022		
2.500	045	033	006	.018	010	319	010		
2.750	027	012	•023	•048	•063	010	015		
3.000	017	001	•030	•044	•006	•026	033		
3.500	007	•012	•010	021	031	017			
4.000	.007	•011	•000	•001	009	012			
4.500	•021	•004	•002	029	032	.081			
5.000	•025	•005	~.066	088	143	295			
5.500	.011	020	~.048	024	048	209			
6.000	.011	053	003	•037	•043	052			

Table 18
Plate and Spoiler Pressure Coefficients

Configuration 9 M=1.61 R=0.30 x 10.6

CONFIDENTIAL

				Plate	The Laboratory			Spoi	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ= 0	00°				
-6.000	•002	004	004	002	•217	•361		1 2	• 497 • 456
-5.500	•003	003	003	001	•323	• 385		3	• 451
-5.000	•004	003	003 002	•000	•361 •383	• 401 • 405		4	• 469
-4.500 -4.000	001	007	•006	• 320	•393	•402	002	5	•512
	•006	•057	•272	• 358	.400	•394	•004	6	.565
-3.500 -3.000	•289	•307	•350	• 383	•403	•389	. 267	7	•631
-2.750	•337	•354	• 368	•388	•405	•387	•328	8	347
-2.500	•361	•368	•382	•393	.408	•389	•356	9	336
-2.250	•384	•383	•387	• 396	.410	•386	•368	10	337
-2.000	•388	•390	•394	.401	•407	.388	•381	11	337
-1.750	•398	•398	•402	.407	•406	•393	•389	12	.471
-1.500	•402	•401	•401	• 403	.402	•396	•393	13	• 434
-1.250	•381	•404	• 404	•398	•396	•402	•398	14	• 424
-1.000	•402	•399	•398	.390	•394	.411	•400	15	• 441
750	•390	•385	•386	.378	•398	*432	•390	16	•468
625	•386	•381	•381	• 386	•408	.449	.384	17	•518
500	•387	• 375	•391	•396	• 424	.477	•383	18	0567
375	•398	•399	•406	+416	• 448	•506	•386	19	336
250	•422	•422	•428	.451	•489	•536	• 403	20	344
125	• 484		• 497	1	•537		• 450	21	344
•000	•534	•529	•533	•530	•534	•531	• 499	22	337
• 250	337	343	336	340			341		
• 375	336	344	341	341	328		344		
•500	341	347	346	344	333		347		
•750	341	348	348	347	335	334	342		
1.000	322	307	336	348	336	334	313		
1.250	277	281	307	327	335	333	268		
1.500	229	230	266	287	332	334	217		
1.750	143	180	219	233	325	332	182		
2.000	139	144	160	194	317	329	141		
2.250	107	115	130	176	293	329	113		
2.500	085	092	111	167	266	329	080		
2.750	068	079	077	143	237	331 332	067		
3.000	062	065	071 056	118	218 174	319	.007		
3.500	048	044	055	064	131	300			
4.500	041	040	049	051	108	282			
	035	-:040	037	040	091	242			
5.000	042	033	032	025	060	215			
5.500	038	030	020	013	031	195			
				Λ= 1	5°				
								-	451
-6.000 -5.500	001	004 004	005	006	.033 .264	•365 •379		1 2	• 454
	001	005	006	007	•347	•393		3	.417
-5.000 -4.500	•000	007	004	.192	•376	•398		4	.422
-4.000	002	005	•056	•320	•382	•386	•004	5	. 451
	•062	•131	•285	.346	•376	•378	.085	6	.487
			•335	•355	•369	.369	•305	7	.527
-3 • 500		.309					•333		
-3.000	•297	•309		·350	a364	a 365		8	346
-3.000 -2.750	•297	• 341	•348	• 350 • 355	• 36 4 • 35 9	•365 •359	•347	9	346 337
-3.000 -2.750 -2.500	•297 •331 •351			•350 •355 •356	•364 •359 •360	•359 •347	•347 •357	9	346 337 340
-3.000 -2.750 -2.500 -2.250 -2.000	•297 •331 •351 •369	• 341 • 351	•348 •356	• 355 • 356 • 363	•359 •360 •365	•359 •347 •345	•347 •357 •367	9 10 11	346 337 340 340
-3.000 -2.750 -2.500 -2.250 -2.000	•297 •331 •351	•341 •351 •360	•348 •356 •360	• 355 • 356 • 363 • 372	•359 •360 •365 •370	•359 •347 •345 •350	•347 •357 •367 •371	9 10 11 12	346 337 340 340
-3.000 -2.750 -2.500 -2.250	•297 •331 •351 •369 •371	•341 •351 •360 •368	•348 •356 •360 •368 •374 •381	.355 .356 .363 .372 .376	•359 •360 •365 •370 •366	•359 •347 •345 •350 •364	•347 •357 •367 •371 •377	10 11 12 13	346 337 340 340 .461 .430
-3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500	•297 •331 •351 •369 •371 •379 •383 •364	• 341 • 351 • 360 • 368 • 377 • 381 • 384	•348 •356 •360 •368 •374 •381	.355 .356 .363 .372 .376	•359 •360 •365 •370 •366 •359	• 359 • 347 • 345 • 350 • 364 • 378	•347 •357 •367 •371 •377	9 10 11 12 13 14	346 337 340 340 .461 .430 .419
-3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000	• 297 • 331 • 351 • 369 • 371 • 379 • 383 • 364 • 391	• 341 • 351 • 360 • 368 • 377 • 381 • 384 • 385	•348 •356 •360 •368 •374 •381 •382 •380	.355 .356 .363 .372 .376 .371	•359 •360 •365 •370 •366 •359 •368	.359 .347 .345 .350 .364 .378	•347 •357 •367 •371 •377 •383 •378	9 10 11 12 13 14 15	- 346 - 337 - 340 - 340 - 461 - 440 - 449 - 445
-3.000 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.250 -1.000 -750	• 297 • 331 • 351 • 369 • 371 • 379 • 383 • 364 • 391 • 381	• 341 • 351 • 360 • 368 • 377 • 381 • 384 • 385 • 373	•348 •356 •360 •368 •374 •381 •382 •380 •361	.355 .356 .363 .372 .376 .371 .358	.359 .360 .365 .370 .366 .359 .368	•359 •347 •345 •350 •364 •378 •398 •418	*347 *357 *367 *371 *377 *383 *378	9 10 11 12 13 14 15	346 337 340 340 461 430 419 435 462
-3.000 -2.750 -2.500 -2.500 -2.500 -1.750 -1.500 -1.250 -1.750 -1.750 -1.750 -1.750	•297 •331 •351 •369 •371 •379 •383 •364 •391 •381 •375	• 341 • 351 • 360 • 368 • 377 • 381 • 384 • 385 • 373 • 363	.348 .356 .360 .368 .374 .381 .382 .380 .361	.355 .356 .363 .372 .376 .371 .358 .353	.359 .360 .365 .370 .366 .359 .368 .373	• 359 • 347 • 345 • 350 • 364 • 378 • 398 • 418 • 432	• 347 • 357 • 367 • 371 • 377 • 383 • 378 • 362 • 357	9 10 11 12 13 14 15 16	346 337 340 340 .461 .430 .419 .435 .462
-3.000 -2.750 -2.500 -2.250 -2.250 -1.500 -1.500 -1.250 -1.000 -7.750 -625 -500	• 297 • 331 • 351 • 369 • 371 • 379 • 383 • 364 • 391 • 381 • 375 • 371	.341 .351 .360 .368 .377 .381 .384 .385 .373 .363	.348 .356 .360 .368 .374 .381 .382 .380 .361 .358	.355 .356 .363 .372 .376 .371 .358 .353 .363	.359 .360 .365 .370 .366 .359 .368 .373 .386	.359 .347 .345 .350 .364 .378 .398 .418 .432	• 347 • 357 • 367 • 371 • 377 • 383 • 378 • 362 • 357 • 360	9 10 11 12 13 14 15 16 17	- 346 - 337 - 340 - 340 - 461 - 430 - 419 - 435 - 462 - 508 - 547
-3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -1.500 -750 -625 -500 -375	.297 .331 .351 .369 .371 .379 .383 .364 .391 .381 .375 .371	.341 .351 .360 .368 .377 .381 .384 .385 .373 .363 .362	.348 .356 .368 .374 .381 .382 .380 .361 .358 .363 .363	.355 .356 .363 .372 .376 .371 .358 .353 .363	.359 .365 .370 .366 .359 .368 .373 .386 .397	• 359 • 347 • 345 • 350 • 364 • 378 • 398 • 418 • 432 • 448	• 347 • 357 • 367 • 371 • 377 • 383 • 378 • 362 • 357 • 360 • 372	9 10 11 12 13 14 15 16 17 18	346 337 340 340 461 .4430 .419 .445 .462 .508 .547
-3.000 -2.750 -2.500 -2.500 -2.000 -1.750 -1.500 -1.250 -1.000 750 500 375 250	• 297 • 331 • 351 • 369 • 371 • 379 • 383 • 364 • 391 • 381 • 375 • 376	.341 .351 .360 .368 .377 .381 .384 .385 .373 .363	.348 .356 .360 .368 .374 .381 .382 .380 .361 .358 .363 .358	.355 .356 .363 .372 .376 .371 .358 .353 .363	.359 .365 .370 .366 .359 .368 .373 .386 .397 .420	.359 .347 .345 .350 .364 .378 .398 .418 .432	.347 .357 .367 .371 .377 .383 .378 .357 .360 .372 .395	9 10 11 12 13 14 15 16 17 18 19	- 346 - 337 - 340 - 461 - 430 - 419 - 435 - 462 - 508 - 547 - 329
-3.000 -2.750 -2.500 -2.500 -2.500 -1.750 -1.500 -1.250 -1.250 500 375 500 375 250 125	.297 .331 .359 .369 .371 .379 .383 .364 .391 .381 .375 .376	• 341 • 351 • 360 • 368 • 377 • 381 • 385 • 373 • 363 • 362 • 374 • 396	.348 .356 .360 .368 .374 .381 .382 .361 .358 .363 .363 .363 .400 .451	355 356 363 372 376 371 358 353 363 371 387 416	.359 .365 .370 .365 .370 .368 .373 .386 .397 .420 .447	• 359 • 347 • 345 • 350 • 364 • 378 • 398 • 418 • 432 • 448 • 469 • 486	• 347 • 357 • 367 • 371 • 377 • 383 • 378 • 362 • 357 • 260 • 372 • 395 • 443	9 10 11 12 13 14 15 16 17 18	346 337 340 340 461 .4430 .419 .445 .462 .508 .547
-3.000 -2.750 -2.500 -2.500 -2.000 -1.750 -1.500 -1.250 -1.000 750 500 375 250	• 297 • 331 • 351 • 369 • 371 • 379 • 383 • 364 • 391 • 381 • 375 • 376	.341 .351 .360 .368 .377 .381 .384 .385 .373 .363 .362	.348 .356 .360 .368 .374 .381 .382 .380 .361 .358 .363 .358	.355 .356 .363 .372 .376 .371 .358 .353 .363	.359 .365 .370 .366 .359 .368 .373 .386 .397 .420	• 359 • 347 • 345 • 350 • 364 • 378 • 398 • 418 • 432 • 448	347 357 367 371 377 389 378 362 357 260 372 395 443 479	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 329 - 339
-3.000 -2.500 -2.500 -2.500 -2.250 -2.000 -1.500 -1.500 -1.500750500375250250250	.297 .331 .351 .369 .371 .373 .383 .364 .391 .381 .375 .376 .396 .447	• 341 • 351 • 368 • 377 • 381 • 385 • 373 • 362 • 374 • 396	.348 .356 .368 .374 .381 .382 .380 .361 .358 .353 .382 .400 .451 .477	.355 .356 .358 .372 .376 .371 .358 .353 .363 .371 .387 .416	359 360 365 370 366 359 368 373 386 397 420 447 485	• 359 • 347 • 345 • 350 • 364 • 378 • 398 • 418 • 432 • 448 • 469 • 486	.347 .357 .367 .371 .377 .383 .378 .362 .357 .350 .372 .395 .443 .479	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 329 - 339
-3.000 -2.750 -2.500 -2.500 -2.600 -1.750 -1.500 -1.250	• 297 • 331 • 351 • 369 • 371 • 379 • 383 • 364 • 391 • 371 • 371 • 376 • 447 • 479	. 341 . 351 . 360 . 368 . 377 . 381 . 385 . 373 . 363 . 374 . 396 . 477	348 356 360 358 374 381 382 380 361 358 363 345 4451 477	355 356 363 372 376 371 358 353 363 371 387 416	359 360 265 370 366 359 368 373 4386 397 440 447 485 482	• 359 • 347 • 345 • 350 • 364 • 378 • 398 • 418 • 432 • 448 • 469 • 486	-347 -357 -367 -371 -383 -378 -362 -357 -360 -372 -395 -443 -479 334	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 329 - 339
-3.000 -2.500 -2.500 -2.500 -2.220 -2.200 -1.500 -1.500 -1.500 -1.500500525500250250250250250250250250250250250250250250250	• 297 • 331 • 351 • 369 • 371 • 379 • 383 • 364 • 391 • 375 • 376 • 347 • 447 • 447 • 340 • 348	- 341 - 351 - 368 - 377 - 381 - 384 - 385 - 373 - 362 - 374 - 396 - 477	-348 -356 -368 -374 -381 -381 -382 -380 -361 -358 -363 -382 -400 -451 -477	.355 .356 .363 .372 .376 .371 .358 .363 .371 .887 .416	359 360 365 370 366 359 368 373 386 397 442 447 4482	359 347 345 350 364 378 418 432 448 469 486	.347 .357 .367 .371 .377 .383 .378 .357 .357 .357 .357 .347 .372 .372 .334 .479	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 329 - 339
-3.000 -2.750 -2.500 -2.500 -2.250 -1.750 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -2.50 -2.50 -2.50 -2.50 -2.50 -3.75 -2.50 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75	.297 .331 .351 .369 .371 .373 .383 .364 .381 .375 .371 .376 .447 .479	. 341 . 351 . 360 . 368 . 377 . 381 . 384 . 385 . 373 . 362 . 374 . 396 . 477 345 348 348	348 356 360 358 374 382 380 361 358 363 341 477 -344 -347 -344	- 355 - 356 - 363 - 372 - 376 - 371 - 358 - 353 - 371 - 387 - 416 - 473 - 344 - 344 - 344	359 360 365 370 366 359 368 373 386 4297 447 485 482	359 347 345 350 364 378 498 418 448 469 486	-347 -357 -367 -371 -377 -383 -378 -362 -357 -360 -372 -395 -443 -479 -332 -336 -332	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 329 - 339
-3.000 -2.500 -2.500 -2.500 -2.2250 -2.000 -1.500 -1.500 -1.500 -1.500 -3750 -250 -375 -250 -375 -250 -375 -250 -375 -250 -375 -250 -375 -250 -375 -250 -375 -250 -375 -250 -375 -250 -375	- 297 - 331 - 351 - 351 - 359 - 371 - 379 - 383 - 364 - 391 - 375 - 376 - 347 - 340 - 3442 - 342	- 341 - 351 - 360 - 368 - 377 - 381 - 385 - 373 - 363 - 363 - 374 - 396 - 345 - 348 - 348 - 348 - 304	348 356 360 368 374 381 382 380 361 358 363 4400 4451 477 -241 -344 -344 -344 -334	- 355 - 356 - 363 - 372 - 376 - 371 - 358 - 353 - 371 - 387 - 416 - 473 - 344 - 344 - 344 - 344	359 360 365 370 366 4359 368 4373 386 420 447 4482 -329 -332 -332 -328	- 359 - 347 - 345 - 350 - 364 - 378 - 418 - 432 - 448 - 486 - 482	-347 -357 -367 -371 -377 -383 -378 -362 -357 -360 -372 -395 -443 -479 -334 -336 -332 -336 -332 -336	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 329 - 339
-3.000 -2.750 -2.500 -2.500 -2.250 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -3.75 -2.50 -2.50 -2.50 -3.75 -2.50 -3.75 -3.000 -3.75 -3.000 -3.75 -3.000 -3.75 -3.000	.297 .331 .351 .359 .371 .373 .383 .364 .381 .375 .376 .447 .447 .447 .340 .340 .340 .342 .342 .342	- 341 - 351 - 360 - 368 - 377 - 381 - 384 - 385 - 373 - 362 - 374 - 346 - 345 - 348 - 348 - 348 - 348 - 348 - 348	348 356 360 368 374 381 382 380 361 358 363 345 400 4451 4477 -344 -347 -344 -347 -344 -337	- 355 - 356 - 363 - 372 - 376 - 371 - 358 - 358 - 371 - 387 - 416 - 473 - 344 - 344 - 344 - 344 - 320	359 360 365 370 366 359 368 373 386 397 4420 4447 485 482	- 359 - 347 - 345 - 350 - 354 - 378 - 418 - 432 - 448 - 448 - 482	-347 -357 -367 -377 -383 -378 -362 -357 -360 -372 -395 -443 -779 -332 -334 -332 -332 -332 -3256	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 329 - 339
-3.000 -2.500 -2.500 -2.500 -2.250 -2.250 -1.500 -1.500 -1.500 -1.500 -750 -2.50 -375 -2.50 -1.250	- 297 - 331 - 351 - 369 - 371 - 379 - 383 - 364 - 391 - 375 - 376 - 376 - 340 - 344 - 344 - 344 - 342 - 313 - 261 - 211	- 341 - 351 - 360 - 368 - 377 - 381 - 385 - 373 - 363 - 362 - 374 - 346 - 345 - 348 - 304 - 284 - 237	348 356 360 368 374 381 382 380 361 358 363 382 440 4451 4477 -344 -3347 -347 -347 -347 -347 -34	- 355 - 356 - 363 - 372 - 376 - 371 - 358 - 353 - 371 - 387 - 416 - 473 - 241 - 344 - 344 - 320 - 295	359 360 365 370 366 359 368 373 386 397 4420 4447 485 4482	- 359 - 347 - 345 - 350 - 364 - 378 - 418 - 448 - 482 - 486 - 482	-347 -357 -367 -371 -377 -383 -378 -357 -362 -357 -360 -372 -395 -443 -479 -332 -334 -336 -332 -334 -256 -209	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 329 - 339
-3.000 -2.750 -2.500 -2.500 -2.250 -1.750 -1.500 -1.500 -1.500 -1.500 -3.750 -3.250 -3.750	.297 .391 .351 .369 .371 .379 .383 .364 .391 .375 .376 .396 .447 .4479 .340 .340 .342 .313 .342 .342 .342 .342 .342	- 341 - 351 - 360 - 368 - 377 - 381 - 384 - 385 - 373 - 362 - 374 - 396 - 345 - 348 - 348 - 348 - 284 - 284 - 284 - 284 - 284	348 356 360 368 374 381 382 380 361 358 363 382 400 4451 477 -241 -348 -347 -344 -337 -270 -230	- 355 - 356 - 363 - 372 - 376 - 371 - 358 - 353 - 371 - 387 - 416 - 473 - 344 - 344 - 344 - 344 - 320 - 295 - 261	-359 -360 -365 -370 -366 -373 -386 -373 -386 -397 -447 -485 -482 -332 -332 -332 -328 -321	- 327 - 325 - 325 - 327 - 327 - 327 - 327 - 3225 - 3221	-347 -357 -367 -377 -383 -378 -362 -357 -360 -372 -395 -443 -334 -332 -336 -332 -326 -326 -326 -326 -326	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 329 - 339
-3.000 -2.500 -2.500 -2.500 -2.250 -2.250 -2.250 -1.500 -1.500 -1.500 -1.500 -375 -2.50 -375 -2.50 -375 -2.50 -375 -1.500 -7.750 -1.500 -7.750 -1.500 -7.750 -1.500 -7.750 -1.500 -7.750 -1.500 -7.750 -1.500 -7.750 -1.500 -7.750	- 297 - 331 - 351 - 351 - 357 - 371 - 379 - 383 - 384 - 391 - 376 - 376 - 376 - 340 - 348 - 342 - 313 - 261 - 211 - 127 - 125	- 341 - 351 - 360 - 368 - 377 - 381 - 385 - 373 - 363 - 362 - 374 - 346 - 345 - 348 - 304 - 2237 - 1191 - 1157	348 356 360 358 374 381 382 380 361 358 363 382 400 4451 4477 -344 -347 -348 -347 -247 -270 -270 -230 -180	- 355 - 356 - 363 - 372 - 376 - 358 - 353 - 371 - 387 - 416 - 473 - 241 - 344 - 344 - 344 - 320 - 227 - 227	359 360 365 370 366 359 368 373 386 397 4420 4447 485 482	- 359 - 347 - 345 - 350 - 364 - 378 - 418 - 448 - 486 - 482 327 326 327 327 326 327 326 327 326 327 326 327 326 327 326 327 326 327 326 327 326 327 326 327 326	-347 -357 -367 -371 -377 -383 -378 -362 -357 -360 -372 -395 -443 -479 -332 -334 -334 -334 -209 -1168 -134	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 3339 - 339
-3.000 -2.500 -2.500 -2.500 -2.250 -1.500 -1.500 -1.500 -1.500 -1.500 -3.750 -3.250 -3	- 297 - 331 - 351 - 369 - 371 - 373 - 383 - 384 - 381 - 375 - 340 - 340 - 340 - 342 - 342 - 342 - 211 - 211 - 127 - 125 - 100	- 341 - 351 - 360 - 368 - 377 - 384 - 384 - 396 - 373 - 362 - 374 - 396 - 346 - 348 - 304 - 284 - 237 - 191 - 1191 - 1157 - 131	348 356 360 368 374 381 382 380 361 358 363 382 400 4451 477 -341 -348 -347 -347 -270 -230 -164	- 355 - 356 - 363 - 372 - 376 - 371 - 358 - 358 - 371 - 387 - 416 - 473 - 344 - 344 - 344 - 344 - 344 - 344 - 344 - 320 - 227 - 178	-359 -360 -365 -370 -366 -373 -386 -373 -386 -397 -447 -4485 -4482 -332 -332 -332 -328 -328 -321 -321 -286	- 327 - 326 - 327 - 326 - 327 - 327 - 326 - 327 - 327 - 326 - 327 - 327	-347 -357 -367 -377 -383 -378 -362 -357 -360 -372 -395 -443 -334 -334 -256 -209 -168 -119	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 3339 - 339
-3.000 -2.500 -2.500 -2.500 -2.000 -1.750 -1.500	- 297 - 331 - 351 - 351 - 351 - 371 - 379 - 383 - 383 - 381 - 375 - 376 - 376 - 340 - 340 - 342 - 313 - 261 - 211 - 127 - 125 - 100 - 085	- 341 - 351 - 360 - 368 - 377 - 381 - 385 - 373 - 363 - 362 - 374 - 346 - 345 - 348 - 348 - 2284 - 237 - 1157 - 1157 - 1157	348 356 360 358 374 381 382 380 361 358 363 341 -347 -344 -3347 -2307 -270 -2180 -164 -1140	- 355 - 356 - 363 - 372 - 376 - 358 - 358 - 358 - 358 - 358 - 363 - 371 - 341 - 341 - 344 - 346 - 346 - 347 - 348 -	359 360 365 370 366 359 368 373 386 437 4420 4447 485 482 -332 -332 -328 -327 -310 -286 -271	- 359 - 347 - 345 - 350 - 354 - 378 - 418 - 448 - 486 - 482 - 327 - 326 - 327 - 327 - 326 - 327 - 327 - 326 - 327 -	-347 -357 -367 -371 -377 -383 -378 -362 -357 -360 -372 -395 -443 -479 -334 -234 -204 -204 -209 -1134 -109 -1093	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 329 - 339
-3.000 -2.500 -2.500 -2.500 -1.550	- 297 - 331 - 351 - 351 - 371 - 379 - 383 - 364 - 391 - 375 - 376 - 340 - 340 - 348 - 342 - 342 - 313 - 261 - 211 - 125 - 100 - 085 - 075	- 341 - 351 - 360 - 368 - 377 - 384 - 384 - 363 - 362 - 374 - 346 - 346 - 348 - 348 - 304 - 284 - 284 - 2157 - 1131 - 107 - 1091	348 356 360 368 374 381 382 380 361 358 363 382 400 4451 477 -341 -348 -347 -270 -230 -164 -116	- 355 - 356 - 363 - 372 - 376 - 371 - 358 - 358 - 363 - 371 - 387 - 416 - 473 - 344 - 344 - 344 - 320 - 225 - 227 - 178 - 1178 - 1178 - 1178 - 1100	-359 -360 -365 -370 -366 -359 -368 -373 -386 -373 -447 -447 -4485 -482 -332 -328 -328 -327 -328 -321 -2266 -271 -252	- 327 - 326 - 327 - 326 - 327 - 326 - 327 - 326 - 327 - 326 - 321 - 317 - 317	- 347 - 357 - 367 - 371 - 377 - 383 - 378 - 357 - 362 - 357 - 360 - 372 - 334 - 334 - 336 - 332 - 336 - 256 - 204 - 256 - 209 - 168 - 109 - 109 - 109 - 109	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 329 - 339
-3.000 -2.750 -2.750 -2.500 -2.250 -1.750 -1.500	- 297 - 331 - 351 - 351 - 359 - 371 - 379 - 383 - 381 - 387 - 376 - 376 - 376 - 340 - 340 - 342 - 313 - 261 - 211 - 127 - 125 - 1085 - 075	- 341 - 351 - 360 - 368 - 377 - 381 - 384 - 385 - 373 - 362 - 374 - 346 - 345 - 348 - 348 - 348 - 237 - 1131 - 1107 - 091 - 081	-348 -356 -360 -368 -374 -381 -382 -380 -361 -358 -363 -382 -400 -451 -477 -344 -347 -347 -270 -270 -230 -180 -140 -1164 -1164 -1101	2556 2566 266 2772 2766 2711 2588 2583 2571 2877 2616 273 2844 2944 295 2061 2277 2178 2100 2082	-359 -365 -370 -366 -359 -368 -373 -386 -373 -447 -482 -332 -328 -322 -328 -327 -321 -226	- 359 - 347 - 345 - 350 - 364 - 378 - 398 - 418 - 448 - 448 - 486 - 482 - 327 - 326 - 327 - 326 - 327 - 326 - 327 - 326 - 327 - 327 - 326 - 327 -	-347 -357 -367 -371 -377 -383 -378 -362 -357 -360 -372 -395 -443 -479 -334 -234 -204 -204 -209 -1134 -109 -1093	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 329 - 339
-3.000 -2.500 -2.500 -2.500 -1.550 -1	- 297 - 331 - 351 - 369 - 371 - 379 - 383 - 364 - 391 - 375 - 376 - 340 - 340 - 348 - 342 - 313 - 261 - 211 - 127 - 105 - 075 - 075 - 076	- 341 - 351 - 360 - 368 - 377 - 381 - 385 - 373 - 363 - 362 - 374 - 396 - 477 - 346 - 345 - 348 - 348 - 328 - 227 - 157 - 131 - 107 - 091 - 086	348 356 360 358 374 381 382 380 361 358 363 382 400 4451 477 -348 -334 -334 -334 -334 -334 -3180 -164 -1180 -1160 -1161 -1076	- 355 - 356 - 363 - 372 - 376 - 371 - 358 - 353 - 371 - 387 - 416 - 473 - 344 - 344 - 344 - 344 - 320 - 275 - 276 - 277 - 2178 -	-359 -360 -365 -370 -366 -359 -368 -373 -386 -397 -447 -482 -332 -332 -328 -327 -328 -327 -226 -271 -2252 -2166	-327 -326 -326 -327 -326 -327 -326 -327 -326 -327 -326 -327 -326 -327 -327 -327 -327 -327 -327 -327 -327	- 347 - 357 - 367 - 371 - 377 - 383 - 378 - 357 - 362 - 357 - 360 - 372 - 334 - 334 - 336 - 332 - 336 - 256 - 204 - 256 - 209 - 168 - 109 - 109 - 109 - 109	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 329 - 339
-3.000 -2.250 -2.500 -2.500 -2.250 -1.500 -1.500 -1.500 -1.500 -750 -6.25 -6.25 -6.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.500	- 297 - 331 - 351 - 351 - 371 - 371 - 373 - 383 - 364 - 381 - 375 - 376 - 340 - 340 - 340 - 342 - 313 - 261 - 2127 - 125 - 100 - 085 - 075 - 0066 - 0056	- 341 - 351 - 360 - 368 - 377 - 381 - 384 - 385 - 373 - 362 - 374 - 346 - 345 - 348 - 304 - 284 - 285 - 284 - 285 -	348 356 360 368 374 381 382 380 361 358 363 382 400 4451 4477 -344 -347 -348 -347 -270 -230 -180 -1164 -1101 -076 -062	2556 2566 2566 2772 2776 2571 2588 2583 2571 2877 2616 273 2844 2344 2344 2344 2344 2256 2277 2178 2100 2074 2074 2074 2074 2074 2076 2	-359 -360 -365 -370 -366 -359 -368 -373 -386 -373 -447 -482 -332 -328 -327 -328 -327 -328 -327 -3216 -2712 -	- 359 - 347 - 345 - 350 - 364 - 378 - 498 - 498 - 486 - 482 - 327 - 326 - 326 - 321 - 320 - 317 - 317 - 317 - 317 - 313 - 3001	- 347 - 357 - 367 - 371 - 377 - 383 - 378 - 357 - 362 - 357 - 360 - 372 - 334 - 334 - 336 - 332 - 336 - 256 - 204 - 256 - 209 - 168 - 109 - 109 - 109 - 109	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 329 - 339
-3.000 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.500 -3.750 -3	- 297 - 331 - 351 - 369 - 371 - 379 - 383 - 364 - 391 - 375 - 376 - 340	- 341 - 351 - 360 - 368 - 377 - 381 - 385 - 373 - 363 - 362 - 374 - 345 - 345 - 348 - 304 - 284 - 227 - 157 - 1157 - 1157 - 107 - 091 - 0054 - 0054 - 0054	348 356 360 358 374 381 382 380 361 358 363 382 400 4451 4477 -348 -347 -347 -247 -270 -230 -180 -1140 -1140 -1166 -1062 -049	- 355 - 356 - 363 - 371 - 358 - 353 - 371 - 358 - 358 - 371 - 387 - 416 - 473 - 344 - 320 - 295 - 227 - 178 - 100 - 082 - 074 - 069 - 062	-359 -360 -365 -370 -366 -359 -368 -373 -386 -397 -420 -4485 -482 -332 -332 -328 -327 -286 -271 -252 -2166 -130 -114	- 359 - 347 - 345 - 350 - 364 - 378 - 418 - 498 - 448 - 482 - 486 - 482 - 327 - 326 - 327 - 326 - 327 - 329 - 318 - 319 -	- 347 - 357 - 367 - 371 - 377 - 383 - 378 - 357 - 362 - 357 - 360 - 372 - 334 - 334 - 336 - 332 - 336 - 256 - 204 - 256 - 209 - 168 - 109 - 109 - 109 - 109	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 329 - 339
-3.000 -2.500 -2.500 -2.500 -1.750 -1.500 -1.500 -1.500 -1.500 -3.750 -3.250 -3.750 -3.250 -3.750 -3	- 297 - 331 - 351 - 351 - 371 - 371 - 373 - 383 - 364 - 381 - 375 - 376 - 340 - 340 - 340 - 342 - 313 - 261 - 2127 - 125 - 100 - 085 - 075 - 0066 - 0056	- 341 - 351 - 360 - 368 - 377 - 381 - 384 - 385 - 373 - 362 - 374 - 346 - 345 - 348 - 304 - 284 - 285 - 284 - 285 -	348 356 360 368 374 381 382 380 361 358 363 382 400 4451 4477 -344 -347 -348 -347 -270 -230 -180 -1164 -1101 -076 -062	2556 2566 2566 2772 2776 2571 2588 2583 2571 2877 2616 273 2844 2344 2344 2344 2344 2256 2277 2178 2100 2074 2074 2074 2074 2074 2076 2	-359 -360 -365 -370 -366 -359 -368 -373 -386 -373 -447 -482 -332 -328 -327 -328 -327 -328 -327 -3216 -2712 -	- 359 - 347 - 345 - 350 - 364 - 378 - 498 - 498 - 486 - 482 - 327 - 326 - 326 - 321 - 320 - 317 - 317 - 317 - 317 - 313 - 3001	- 347 - 357 - 367 - 371 - 377 - 383 - 378 - 357 - 362 - 357 - 360 - 372 - 334 - 334 - 336 - 332 - 336 - 256 - 204 - 256 - 209 - 168 - 109 - 109 - 109 - 109	9 10 11 12 13 14 15 16 17 18 19 20	- 346 - 337 - 340 - 461 - 435 - 462 - 508 - 547 - 329 - 339

Table 18 Continued
Plate and Spoiler Pressure Coefficients

Configuration 9 M= 1.61 R= 0.30 x 106

	1 5	1 6	-	Plate				Spoi	iler
x,in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	30°				
-6.000	•000	002	005 003	•000	•187	•211		1	• 465
-5.500	002	002		•000	.244	•211		2	• 434
-5.000	•000	002	005	005	•280	•289		3	• 419
-4.500	002	004	004	• 154	•318	•328		4	• 426
-4.000	002	002	•058	• 277	•341	• 348	•036	5	• 451
-3.500	•154	•165	• 255	•309	•352	•353	.243	6	. 484
-3.000	• 285	• 283	•300	•321	•352	•337	•299	7	•517
-2.750	•305	•312	•312	•316	•337	•321	•309	8	329
-2.500	•320	•316	•317	•307	•315	•287	•318	9	322
-2.250	•335	• 325	•322	•312	•301	• 245	•323	10	328
-1.750	•338 •348	•332 •341	•326	•312	•307	• 265	•329	11	309
-1.500	353	• 342	•333	• 325	•320	• 282	•331	12	• 441
-1.250	•336	• 352	•342	• 332 • 335	•328	•292	•337 •337	13	• 409
-1.000	•363	•355	•348	•329	•328	•370	•340	14	• 399
750	•349	•338	•325	•316	•347	•411	•330	16	• 412 • 428
- 4625	•345	•328	•330	•332	•366	•435	.323	17	• 470
500	•344	•336	•340	•350	•392	• 454	•325	18	. 484
375	•359	• 357	•358	•378	•418	•483	•337	19	317
250	•394	.390	.402	• 423	.460	.504	•366	20	330
125	• 460		• 470		•498		• 424	21	330
•000	• 487	• 483	• 488	• 486	• 48 9	•489	• 460	22	315
•250	323	328	319	319			318		
•375	331	338	327	326	311		318	1.1585	
•500	347	348	336	329	315		314	30181	
• 750	334	344	347	334	314	304	315	100000	
1.000	283	290	331	332	309	301	305		
1.250	219	252	304	312	305	298	274		
1.500	188	193	271	297	300	296	233	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1.750	134	140	239	276	296	293	191	1	
2.000	155	112	190	251	283	293	140	THE STATE OF THE S	
2 • 250	143	103	184	229	271	296	099	The late of	
2 • 500	130	103	160	210	258	300	073	W PAR BUTTON	
2 • 750	113	100	134	181	223	307	067	100000000000000000000000000000000000000	
3.000	091	091	121	166	185	312	072	A Company of the Comp	
3 • 500	048	082	091	121	172	304			
4.000	030	066	076	092	147	290			
4 • 500	026	052	064	069	121	273		The state of the s	
5.000	024	032	037	052	109	261			
5.500	028 017	015	027	046	106 099	240			
			-520						
				Λ= 4	45°				
		006	 006		45°	.000			212
-6.000 -5.500	-•003 -•004	006 005	-•005 -•006	•001	•224	•092		1 2	• 348
-6.000 -5.500 -5.000	003	006 005 005	-•005 -•006 -•005	•001	•224	•106		2	.323
-6.000 -5.500 -5.000 -4.500	003 004 003	005	006	•001	•224	•106 •166	12,24		• 323 • 315
-6.000 -5.500 -5.000 -4.500 -4.000	003 004 003 004 0091	005 005 .003 .099	006	•001 •039 •124	•224 •197 •182	•106 •166 •220	•142	2 3	• 323 • 315 • 314
-6.000 -5.500 -5.000 -4.500 -4.500 -3.500	003 004 003 .004 .091	005 005 .003 .099	006 005 .062	•001 •039 •124 •200	•224 •197 •182 •214	•106 •166 •220 •252	•142 •206	2 3 4 5	• 323 • 315 • 314 • 330
-6.000 -5.500 -5.000 -4.500 -4.500 -3.500	003 004 003 .004 .091 .175 .213	005 005 .003 .099 .184	006 005 .062 .169 .218	.001 .039 .124 .200 .230 .252	•224 •197 •182 •214 •243 •269	•106 •166 •220 •252 •271	• 206	2 3 4 5 6	• 323 • 315 • 314 • 330 • 341
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.500 -2.750	003 004 003 .004 .091 .175 .213	005 005 .003 .099 .184 .213	006 005 .062 .169 .218 .224	.001 .039 .124 .200 .230 .252 .252	•224 •197 •182 •214 •243	.106 .166 .220 .252 .271 .280		2 3 4 5	.323 .315 .314 .330 .341
-6.000 -5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500	003 004 003 .004 .091 .175 .213 .225	005 005 .003 .099 .184 .213 .231	006 005 .062 .169 .218 .224 .227	.001 .039 .124 .200 .230 .252	•224 •197 •182 •214 •243 •269 •272	•106 •166 •220 •252 •271 •280	• 206 • 244	2 3 4 5 6 7	.323 .315 .314 .330 .341 .336
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.2500	003 004 003 .004 .091 .175 .213 .225 .234	005 005 .003 .099 .184 .213 .231 .228	006 005 .062 .169 .218 .224 .227	.001 .039 .124 .200 .230 .252 .250 .237 .224	.224 .197 .182 .214 .243 .269 .272	.106 .166 .220 .252 .271 .280	• 206 • 244 • 252	2 3 4 5 6 7 8	.323 .315 .314 .330 .341 .336 271
-6.000 -5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250	003 004 003 .004 .091 .175 .213 .225 .234 .250	005 005 .003 .099 .184 .213 .231 .228 .234	006 005 .0062 .169 .218 .224 .227 .224 .223	.001 .039 .124 .200 .230 .252 .250 .237 .224 .205	.224 .197 .182 .214 .243 .269 .272 .250 .205 .147	.106 .166 .220 .252 .271 .280 .230 .099 .009	• 206 • 244 • 252 • 263	2 3 4 5 6 7 8 9	.323 .315 .314 .330 .341 .336
-6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.500 -1.750	003 004 003 .004 .091 .175 .213 .225 .234 .250	005 005 .003 .099 .184 .213 .231 .228 .234 .237	-006 -005 -062 -169 -218 -224 -227 -224 -223 -225 -220	.001 .039 .124 .200 .230 .252 .250 .237 .224 .205 .190	.224 .197 .182 .214 .243 .269 .272 .250 .205 .147 .133 .145	.106 .166 .220 .252 .271 .280 .230 .099 .009	.206 .244 .252 .263 .272 .281	2 3 4 5 6 7 8 9	. 323 . 315 . 314 . 330 . 341 . 336 - 271 - 268 - 313
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750	003 004 003 .004 .091 .175 .213 .225 .234 .250 .246 .262	005 005 .003 .099 .184 .213 .231 .228 .234 .237 .244	-006 -005 -062 -169 -218 -224 -227 -224 -223 -225 -220 -224	.001 .039 .124 .200 .230 .252 .250 .237 .224 .205 .190	224 1197 1182 214 2243 269 272 250 205 1147 1133 1145	.106 .166 .220 .252 .271 .280 .099 .009 .028 .088	.206 .244 .252 .263 .272 .281 .290	2 3 4 5 6 7 8 9 10	. 323 . 315 . 314 . 330 . 341 . 336 - 271 - 268 - 313 - 292
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -2.500 -1.750 -1.500	003 004 003 .004 .091 .175 .213 .225 .234 .250 .246 .262	005 005 .003 .099 .184 .213 .231 .228 .234 .237 .244	-006 -005 -062 -169 -218 -224 -227 -224 -223 -225 -220 -224 -223	.001 .039 .124 .200 .230 .252 .250 .237 .224 .205 .190 .192	224 197 182 214 243 269 272 250 205 147 133 145 172	.106 .166 .220 .252 .271 .280 .230 .099 .009 .028 .088 .124	.206 .244 .252 .263 .272 .281 .290 .301	2 3 4 5 6 7 8 9 10 11 12 13	. 323 . 315 . 314 . 330 . 341 . 336 - 271 - 268 - 313 - 292 . 404 . 379
-6.000 -5.500 -5.000 -4.500 -4.500 -4.000 -3.500 -2.750 -2.500 -2.500 -2.500 -1.500 -1.500 -1.250	003 004 003 .004 .091 .175 .213 .225 .234 .250 .246 .262 .263	005 005 003 .099 .184 .213 .231 .228 .234 .237 .244 .246 .246	-006 -005 -062 -169 -218 -224 -227 -224 -223 -225 -220 -224 -223 -240	.001 .039 .124 .200 .230 .252 .250 .237 .224 .205 .190 .192 .197 .212	. 224 .197 .182 .214 .243 .269 .272 .250 .205 .147 .133 .145 .172 .190	.106 .166 .220 .252 .271 .280 .230 .099 .009 .008 .088 .124 .157	.206 .244 .252 .263 .272 .281 .290 .301 .308	2 3 4 5 6 7 8 9 10 11 12 13 14	. 323 . 315 . 314 . 330 . 341 . 336 . 271 . 268 . 313 . 292 . 404 . 379 . 375 . 393
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -1.750 -1.500 -1.500 -1.750	003 004 003 .0004 .091 .175 .213 .225 .234 .250 .246 .262 .263 .240	-005 -005 -003 -099 -184 -213 -221 -228 -237 -244 -246 -246 -244	-006 -005 -062 -169 -218 -224 -227 -224 -223 -225 -220 -224 -223 -240 -235	001 039 1124 200 230 252 250 237 224 205 190 197 197 212 205	. 224 197 182 .214 .243 .269 .272 .250 .205 .147 .133 .145 .172 .190	*106 *166 *220 *252 *271 *280 *230 *099 *009 *028 *088 *124 *157 *214 *282	. 206 . 244 . 252 . 263 . 272 . 281 . 290 . 301 . 308 . 312	2 3 4 5 6 7 8 9 10 11 12 13 14 15	. 323 . 315 . 314 . 330 . 341 . 336 - 271 - 268 . 313 - 292 . 404 . 379 . 375 . 393 . 408
-6.000 -5.500 -5.500 -6.000 -4.500 -4.000 -3.500 -2.750 -2.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500	003 004 003 .004 .091 .175 .213 .225 .234 .250 .246 .262 .263 .240 .264 .264 .264	005 .003 .099 .184 .213 .228 .234 .237 .244 .246 .244 .243 .232	006 005 .062 .169 .218 .224 .227 .224 .223 .225 .220 .224 .223 .240 .235 .229	001 039 1124 200 230 252 252 227 224 205 190 197 197 212 209	224 197 182 214 2243 269 272 250 205 147 2133 1145 1172 2190 226	*106 *126 *220 *252 *271 *280 *230 *099 *009 *028 *088 *124 *157 *214 *282 *310	. 206 . 244 . 252 . 263 . 272 . 281 . 290 . 301 . 308 . 312 . 316	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	. 323 . 315 . 314 . 330 . 341 . 336 - 271 - 268 - 313 - 292 . 404 . 375 . 393 . 408
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.250 -2.250 -2.250 -1.750 -1.250 -1.250 -1.750 -1.250 -1.250 -3.000	003 004 003 .0004 .091 .175 .213 .225 .234 .250 .246 .262 .263 .240 .264 .260 .252 .243	-005 -005 003 099 1184 213 2231 228 234 237 244 246 246 246 243 232 232	-,006 -,005 .062 .169 .218 .224 .227 .224 .223 .225 .220 .224 .223 .224 .223 .225 .224 .223 .225	001 039 1124 200 230 252 250 237 224 205 4190 4197 1197 2124 205 205	224 1197 1182 214 2243 2269 2772 250 1147 2133 1145 1170 1190 1234 2264	*106 *126 *220 *252 *271 *280 *230 *099 *009 *028 *088 *124 *157 *214 *282 *330 *339	. 206 . 244 . 252 . 263 . 272 . 281 . 290 . 301 . 308 . 312 . 316 . 316	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	. 323 . 315 . 314 . 330 . 341 . 336 - 271 - 268 - 313 - 292 . 404 . 379 . 375 . 408 . 436 . 422
-6.000 -5.500 -5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500	003 004 003 004 003 009 	-005 -005 -003 -009 -184 -213 -228 -231 -228 -234 -237 -244 -244 -244 -244 -243 -232 -230 -241	-,006 -,005 -,005 -,016 -,218 -,224 -,227 -,224 -,223 -,225 -,220 -,224 -,223 -,220 -,224 -,223 -,229 -,231 -,229 -,231 -,229	001 039 1124 200 230 252 252 250 237 224 205 190 192 197 212 205 209 225	224 197 182 214 224 225 227 285 205 205 1147 213 1145 1172 190 234 264 305	106 1166 220 2252 271 280 099 009 008 1124 214 282 310 339	. 206 . 244 . 252 . 263 . 272 . 281 . 290 . 301 . 308 . 312 . 316 . 316 . 306 . 299	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 323 . 315 . 314 . 330 . 341 . 336 - 271 - 268 - 319 . 404 . 379 . 375 . 393 . 408 . 436 . 422 - 256
-6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500	003 004 003 .0004 .091 .175 .213 .225 .234 .250 .246 .262 .263 .240 .260 .252 .243 .252	-005 -005 003 099 1184 213 2231 228 234 237 244 246 246 246 243 232 232	-,006 -,005 .062 .169 .218 .224 .227 .224 .223 .225 .220 .224 .223 .240 .235 .229 .231 .250 .289	001 039 1124 200 230 252 250 237 224 205 4190 4197 1197 2124 205 205	224 197 182 214 2243 2269 2772 250 147 4133 1145 1170 1190 1234 264 305 347	*106 *126 *220 *252 *271 *280 *230 *099 *009 *028 *088 *124 *157 *214 *282 *330 *339	. 206 . 244 . 252 . 263 . 272 . 281 . 301 . 308 . 312 . 316 . 306 . 299 . 320	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 323 . 315 . 314 . 330 . 341 . 336 - 271 - 268 . 375 . 393 . 404 . 379 . 393 . 408 . 422 - 256
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-6.000 -5.500 -5.000 -8.000 -4.000 -4.000 -3.500 -2.750 -2.500 -2.500 -2.500 -1.500	003 004 003 .004 .0091 .175 .213 .225 .234 .250 .246 .262 .263 .240 .264 .262 .263 .240 .264 .279 .279 .243 .249 .249 .257 .249	-005 -003 -003 -099 -1184 -213 -221 -234 -237 -244 -244 -244 -244 -243 -232 -230 -241 -272	-006 -005 -005 -169 -218 -224 -227 -224 -223 -225 -220 -224 -223 -229 -235 -235 -250 -240 -235 -257	001 039 1124 200 230 252 255 257 1224 205 4190 1197 1197 2112 205 205 205 304	. 224 1197 1182 2214 2243 269 .272 .250 .205 .147 .213 .145 .172 .190 .234 .234 .234 .234 .234 .234 .234 .234	106 1166 220 2252 271 280 099 008 1124 1157 2214 2310 339 364 380	. 206 . 244 . 252 . 263 . 272 . 281 . 301 . 308 . 312 . 316 . 316 . 329 . 329 . 329 . 383 . 425 	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 323 . 315 . 314 . 330 . 341 . 376 . 276 . 276 . 379 . 404 . 375 . 393 . 404 . 422 . 256 . 426 268
-6.000 -5.500 -5.000 -4.000 -4.000 -3.500 -2.500 -2.500 -2.500 -2.500 -1.500	003 004 003 .004 .091 .175 .213 .225 .234 .250 .246 .262 .263 .240 .264 .264 .264 .264 .264 .264 .264 .264	-005 -005 003 009 184 213 228 231 228 234 224 244 244 244 243 232 230 241 272	-006 -005 -062 -169 -218 -227 -227 -223 -225 -220 -224 -223 -225 -220 -224 -223 -240 -235 -229 -231 -250 -250 -250 -250 -250 -250 -250 -250	001 039 1124 200 230 252 252 225 205 237 224 205 2197 2197 212 205 209 225 304	224 197 182 214 224 2269 272 280 205 1147 2133 1145 1172 190 234 264 305 347 347 379 405	106 1166 1220 1252 1271 1280 1230 1099 1028 1088 1124 1257 1214 1282 1310 1339 1364 1380	. 206 . 244 . 252 . 263 . 272 . 281 . 290 . 301 . 308 . 312 . 316 . 306 . 299 . 320 . 383 . 425	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 323 . 315 . 314 . 330 . 341 . 376 . 276 . 276 . 379 . 404 . 375 . 393 . 404 . 422 . 256 . 426 268
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-6.000 -5.500 -5.000 -4.000 -4.000 -3.500 -2.750 -2.750 -2.500 -2.500 -1.500	003 004 003 004 003 004 009 	-005 -005 -003 -009 -184 -213 -221 -228 -237 -244 -244 -244 -243 -232 -232 -232 -241 -272 -255 -272 -286 -267 -211	-006 -005 -062 -169 -218 -224 -227 -224 -223 -225 -220 -224 -223 -245 -229 -231 -250 -289 -357 -400	001 039 1124 200 230 252 252 225 205 2190 1197 2112 205 209 225 209 225 304	224 197 182 224 224 224 225 226 225 227 225 227 225 227 225 227 225 233 245 234 226 234 237 240 240 240 240 240 240 240 240 240 240	*106 *166 *220 *252 *271 *280 *230 *099 *028 *088 *124 *214 *282 *310 *339 *364 *380 *402	. 206 . 244 . 252 . 263 . 277 . 281 . 290 . 301 . 308 . 312 . 316 . 330 . 316 . 320 . 383 . 425 252 253 259 25	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 323 . 315 . 314 . 330 . 341 . 376 . 276 . 276 . 379 . 404 . 375 . 393 . 404 . 422 . 256 . 426 268
-6.000 -5.500 -5.500 -4.000 -4.000 -3.500 -2.500 -2.500 -2.250 -2.500 -1.750 -1.250 -1.250 -1.250 -1.250 -1.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -3.500 -1.250	003 004 003 004 003 004 091 175 213 225 234 250 246 263 246 263 240 264 263 249 264 279 389 257 269 282 249 282 249 282 249 282 249 282 249 282 249 282 249 282 249 282 249 282 249 282 249 282 249 282 249 282 249	-005 -003 009 184 -231 -231 -234 -237 -244 -244 -243 -232 -230 -241 -272 -286 -267 -267 -211 -196	-006 -005 -0062 -1169 -218 -224 -227 -224 -223 -225 -220 -224 -223 -225 -229 -231 -250 -289 -257 -400	.001 .039 .1124 .200 .230 .252 .250 .237 .224 .205 .197 .197 .212 .205 .205 .205 .205 .205 .205 .205 .20	224 197 182 214 2243 2269 2772 250 205 147 4133 145 1172 190 190 206 234 264 305 347 379 405	*106 *186 *220 *252 *271 *280 *230 *099 *028 *088 *124 *157 *214 *282 *310 *339 *364 *380 *402	. 206 . 244 . 252 . 263 . 272 . 281 . 301 . 308 . 312 . 316 . 336 . 320 . 383 . 425 . 259 . 259 . 259 . 2259 . 245 . 245 . 245	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 323 . 315 . 314 . 330 . 341 . 376 . 276 . 276 . 379 . 404 . 375 . 393 . 404 . 422 . 256 . 426 268
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-6.000 -5.500 -5.000 -5.000 -4.000 -4.000 -3.000 -3.000 -2.500 -2.500 -2.000 -1.750 -1.500 -1.500 -7.500 -3.750 -1.500 -3.750 -1.500 -3.750 -1.500 -3.750 -1.500 -3.750 -1.500 -3.750 -3	0030040030040030040175		-006 -005 -062 -169 -218 -224 -227 -224 -223 -225 -220 -224 -223 -229 -231 -250 -289 -357 -400 -245 -276 -289 -262 -276 -289 -2166 -1137 -1117 -1117 -1117 -1117	001 039 1124 200 239 252 250 237 224 205 420	.224 197 182 214 2243 2269 2772 2250 1247 133 1145 1172 1190 1206 234 4305 347 240 -245 -260 -276 -290 -298 -289 -289 -289 -289 -289 -289 -289	.106 .166 .220 .2252 .271 .280 .099 .009 .008 .124 .1257 .214 .2810 .339 .364 .380 .402	. 206 . 244 . 252 . 263 . 277 . 281 . 290 . 301 . 308 . 316 . 330 . 316 . 330 . 320 . 383 . 425 . 259 . 259 . 259 . 259 . 240 . 232 . 218 . 205 . 218 . 205 . 218 . 219 . 219	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 323 . 315 . 314 . 330 . 341 . 376 . 276 . 276 . 379 . 404 . 375 . 393 . 404 . 422 . 256 . 426 268
-6.000 -5.500 -5.500 -6.000 -7.500 -4.000 -3.500 -3.500 -3.500 -2.750 -2.500 -1.500	0030040030040030040091175213225244250246262263240264260252243245279249220249220249220129129129120107101094020048	-005 -005 -003 -099 -1184 -213 -228 -234 -237 -246 -244 -243 -232 -230 -241 -272 -287 -272 -267 -272 -267 -211 -1196 -1196 -1197 -1197 -097 -083 -050	-006 -005 -005 -0062 -169 -218 -224 -227 -224 -223 -220 -224 -223 -220 -224 -223 -240 -235 -229 -231 -250 -2289 -231 -257 -276 -276 -276 -276 -117 -117 -117 -117 -1199 -099	.001 .039 .1124 .200 .230 .252 .250 .237 .224 .205 .197 .197 .212 .205 .205 .205 .205 .205 .205 .205 .20	. 224 197 182 214 2243 2269 2772 2500 205 1147 2133 1145 1172 1190 195 206 234 264 205 234 264 205 234 264 205 234 265 206 206 206 207 206 207 207 207 207 207 207 207 207 207 207	-106 -1166 -220 -252 -271 -280 -230 -099 -028 -088 -124 -157 -214 -282 -310 -339 -364 -380 -402 -239 -228 -246 -233 -241 -250 -233 -247	. 206 . 244 . 252 . 263 . 277 . 281 . 290 . 301 . 308 . 316 . 330 . 316 . 330 . 320 . 383 . 425 . 259 . 259 . 259 . 259 . 240 . 232 . 218 . 205 . 218 . 205 . 218 . 219 . 219	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 323 . 315 . 314 . 330 . 341 . 376 . 276 . 276 . 379 . 404 . 375 . 393 . 404 . 422 . 256 . 426 268
-6.000 -5.500 -5.000 -5.000 -4.000 -4.000 -3.000 -3.000 -2.500 -2.500 -2.500 -1.500		-005 -005 -003 -009 -184 -213 -228 -231 -228 -234 -237 -246 -244 -243 -232 -230 -241 -272 -286 -241 -272 -286 -174 -1150 -1134 -1150 -1134 -1150 -1134 -1150 -1134 -1150 -1134 -1150 -1134 -1150 -1167 -1097 -1083 -1050	-006 -005 -0062 -169 -218 -224 -223 -225 -220 -224 -223 -225 -220 -224 -223 -255 -229 -235 -229 -235 -229 -231 -250 -289 -357 -400 -2257 -2262 -224 -191 -1166 -137 -1127 -1117 -1117 -099 -095	.001 .039 .124 .200 .230 .252 .252 .227 .224 .205 .2197 .212 .205 .209 .225 .205 .209 .225 .205 .209 .225 .205 .209 .225 .206 .207 .207 .218 .209 .226 .256 .267 .267 .294 .309 .283 .268 .247 .294 .309 .283 .218 .291 .291 .291 .291 .291 .291 .291 .291	. 224 197 182 214 2243 .269 .272 .250 .205 .147 .133 .145 .172 .190 .195 .234 .234 .234 .235 .234 .236 .237 .240 .234 .250 .234 .269 .234 .269 .276 .234 .277 .279 .279 .279 .279 .279 .279 .279	+106 +166 +220 +2252 +271 +280 +230 +099 +028 +088 +124 +157 +214 +282 +214 +380 +402 +402 +402 +402 +402 +402 +402 +40	. 206 . 244 . 252 . 263 . 277 . 281 . 290 . 301 . 308 . 316 . 330 . 316 . 330 . 320 . 383 . 425 . 259 . 259 . 259 . 259 . 240 . 232 . 218 . 205 . 218 . 205 . 218 . 219 . 219	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 323 . 315 . 314 . 330 . 341 . 376 . 276 . 276 . 379 . 404 . 375 . 393 . 404 . 422 . 256 . 426 268
-6.000 -5.500 -5.500 -6.0000 -6.000 -6.000 -6.000 -6.000 -6.000 -6.000 -6.000 -6.000 -6.0000 -6.000 -6.000 -6.000 -6.000 -6.000 -6.000 -6.000 -6.000 -6.0000 -6.000 -6.00	0030040030040030040091175213225244250246262263240264260252243245279249220249220249220129129129120107101094020048	-005 -005 -003 -099 -1184 -213 -228 -234 -237 -246 -244 -243 -232 -230 -241 -272 -287 -272 -267 -272 -267 -211 -1196 -1196 -1197 -1197 -097 -083 -050	-006 -005 -005 -0062 -169 -218 -224 -227 -224 -223 -220 -224 -223 -220 -224 -223 -240 -235 -229 -231 -250 -2289 -231 -257 -276 -276 -276 -276 -117 -117 -117 -117 -1199 -099	.001 .039 .1124 .200 .230 .252 .250 .237 .224 .205 .197 .197 .212 .205 .205 .205 .205 .205 .205 .205 .20	. 224 197 182 214 2243 2269 2772 2500 205 1147 2133 1145 1172 1190 195 206 234 264 205 234 264 205 234 264 205 234 265 206 206 206 207 206 207 207 207 207 207 207 207 207 207 207	-106 -1166 -220 -252 -271 -280 -230 -099 -028 -088 -124 -157 -214 -282 -310 -339 -364 -380 -402 -239 -228 -246 -233 -241 -250 -233 -247	. 206 . 244 . 252 . 263 . 277 . 281 . 290 . 301 . 308 . 316 . 330 . 316 . 330 . 320 . 383 . 425 . 259 . 259 . 259 . 259 . 240 . 232 . 218 . 205 . 218 . 205 . 218 . 219 . 219	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 323 . 315 . 314 . 330 . 341 . 376 . 276 . 276 . 379 . 404 . 375 . 393 . 404 . 422 . 256 . 426 268

Table 18 Concluded
Plate and Spoiler Pressure Coefficients Configuration 9 M= 1.61 R= 0.30 x 10.6

				Plate				Spoiler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.
				Λ=	60°			
-6.000	•001	001	002	•006	•173	005		1 • 295
-5.500	•004	•001	•000	• 059	•149	051		2 • 274
-5.000 -4.500	.032	•015	•032	•104	•119	•011		3 • 263 4 • 261
		•081		•150	•148	•115	141	5 • 273
-4.000	•135	•141	•162	•196	•212	•195	• 146	
-3.500	•149	•170	•195	•220	•253	• 266	• 151	6 •272
-3.000	0144	•163	•184	.212	•263	•331	• 143	7 • 260
-2.750	•141	•162	•170	• 200	•209	.269	•134	8242
-2.500	•140	•134	•145	•155	•128	026	•122	9233
-2.250	•150	•115	•105	•091	•086	195	•114	10 268
-2.000	•143	•087	•051	•015	•017	233	•107	11 255
-1.750	•153	•078	•003	044	069	166	•110	12 •202
-1.500	•158	•089	.010	061	078	064	•121	13 .185
-1.250	•143	•111	•062	•032	•040	•024	•129	14 •184
-1.000	•166	•133	•112	•096	•105	.081	•129	15 •197
750	•178	•154	•142	•125	•124	•162	• 121	16 .203
625	•184	•160	.155	•130	•138	.206	•122	17 •218
500	•187	•160	•161	•146	•167	• 241	•124	18 •196
375	•194	•177	•172	•180	•221	• 271	•128	19125
250	•225	•214	• 227	•234	•264	• 295	•139	20183
125	•293		• 295		•304		•184	21183
•000	•314	•311	• 321	•315	•320	•319	•219	22 175
• 250	186	179	160	159			134	
•375	182	185	169	161	128		117	
•500	165	163	171	169	130		119	
• 750	123	119	139	176	131	092	103	
1.000	173	110	120	-0144	140	062	110	
1.250	254	114	127	123	153	075	148	
1.500	223	119	160	121	178	110	207	
1.750	193	090	179	123	206	144	195	
2.000	144	066	154	127	236	168	155	
2 . 250	054	004	164	135	252	174	126	
2.500	020	•078	129	143	256	156	107	
2.750	018	•115	081	151	247	139	086	
3.000	028	•116	025	153	230	142	059	
3.500	032	•094	.047	132	186	089		
4.000	038	•068	• 057	089	147	145		
4.500	036	•049	•040	029	117	117		THE RESERVE OF THE PARTY OF THE
5.000	034	• 038	• 040	•025	101	120		
5.500	027	•030	•029	.061	082	150		
6.000	014	•024	•022	•071	080	142		
				Λ= .	75°			
		•018	•012	•037	•131	001		1 •308
-6.000	•048				•100			
-5.500	•051	•045	•046	•077		060		2 • 299
-5.500 -5.000	•051 •049	•045 •050	•059	•077	•046	053		3 •281
-5.500 -5.000 -4.500	•051 •049 •051	•045 •050 •042	•059	•067 •041	•046	053		3 • 281 4 • 249
-5.500 -5.000 -4.500 -4.000	•051 •049 •051 •072	•045 •050 •042 •056	•059 •046 •049	.067 .041 .039	.046 .005 .013	053 060 015	•059	3 • 281 • 249 5 • 236
-5.500 -5.000 -4.500	•051 •049 •051	•045 •050 •042	•059 •046 •049	.067 .041 .039	•046	053 060 015	• 059 • 052	3 • 281 4 • 249
-5.500 -5.000 -4.500 -4.000	•051 •049 •051 •072	.045 .050 .042 .056	.059 .046 .049	.067 .041 .039 .104	.046 .005 .013 .128	053 060 015 .257		3 • 281 • 249 5 • 236
-5.500 -5.000 -4.500 -4.000 -3.500	.051 .049 .051 .072 .063	.045 .050 .042 .056 .079	.059 .046 .049 .091	.067 .041 .039 .104	.046 .005 .013 .128 .142	053 060 015 .257	•052	3 • 281 4 • 249 5 • 236 6 • 210
-5.500 -5.000 -4.500 -4.000 -3.500	• 051 • 049 • 051 • 072 • 063	.045 .050 .042 .056	.059 .046 .049	.067 .041 .039 .104	.046 .005 .013 .128 .142	053 060 015 .257 .337 .252	•052 •038	3 • 281 • 249 5 • 236 • 210 7 • 169
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750	.051 .049 .051 .072 .063 .040	.045 .050 .042 .056 .079 .069	.059 .046 .049 .091 .091	.067 .041 .039 .104 .126	.046 .005 .013 .128	053 060 015 .257 .337 .252 .148	•052 •038 •024 •012	3
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250	.051 .049 .051 .072 .063 .040 .029	045 050 042 056 079 069 067	.059 .046 .049 .091 .091 .082 .057	.067 .041 .039 .104 .126 .109	.046 .005 .013 .128 .142 .100	053 060 015 .257 .337 .252	•052 •038 •024 •012	3
-5.500 -5.000 -4.500 -4.500 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000 -1.750	.051 .049 .051 .072 .063 .040 .029 .013	.045 .050 .042 .056 .079 .069 .067 .034	.059 .046 .049 .091 .091 .082 .057 .022	.067 .041 .039 .104 .126 .109 .067	.046 .005 .013 .128 .142 .100 .053	053 060 015 .257 .337 .252 .148 090	•052 •038 •024 •012	3
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.500 -2.500 -1.500	.051 .049 .051 .072 .063 .040 .029 .013	.045 .050 .042 .056 .079 .069 .067 .034 .014 020 059	.059 .046 .049 .091 .091 .082 .057	.067 .041 .039 .104 .126 .109 .067 .007	.046 .005 .013 .128 .142 .100 .053 .008 042 094	053 060 015 .257 .337 .252 .148 090 189 216	.052 .038 .024 .012 004 015 021	3
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.500 -1.250	.051 .049 .051 .072 .063 .040 .029 .013 .006 029	.045 .050 .042 .056 .079 .069 .067 .034 .014 020 059	.059 .046 .049 .091 .091 .082 .057 .022 022 072 101	.067 .039 .104 .126 .109 .067 .007 042 070	.046 .005 .013 .128 .142 .100 .053 .008 042 094	053 060 015 .257 .337 .252 .148 090 189 216 157	.052 .038 .024 .012 004 015 021 015	3
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000	.051 .049 .051 .072 .063 .040 .029 .013 .006 029 036 027	.045 .050 .042 .056 .079 .069 .067 .034 .014 -020 059 094 091	.059 .046 .049 .091 .091 .082 .057 .022 022 072 101 105	.067 .041 .039 .104 .126 .109 .067 .007 042 070 099	.046 .005 .013 .128 .142 .100 .053 .008 042 094 132 098	053 060 015 257 337 252 148 090 189 216 157 070 013	.052 .038 .024 .012 004 015 021 015 006	3
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.500 -1.250	.051 .049 .051 .072 .063 .040 .029 .013 .006 029 036 027	.045 .050 .042 .056 .079 .069 .067 .034 .014 020 059	.059 .046 .049 .091 .082 .057 .022 022 072 101 105 040	.067 .041 .039 .104 .126 .109 .067 .007 042 079 112	.046 .005 .013 .128 .142 .100 .053 .008 042 094 132 098	053 060 015 .257 .337 .252 .148 090 189 216 157 070 .013	.052 .038 .024 .012 004 015 021 015 006 .014	3
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -2.250 -1.500 -1.250 -1.500 -1.750 -1.500 -1.600 -7.750 -1.625	.051 .049 .051 .072 .063 .040 .029 .013 .006 029 036 027 .013 .101	.045 .050 .042 .056 .079 .069 .067 .034 .014 .020 .059 .094 .099 .080	.059 .046 .049 .091 .082 .057 .022 072 101 105 040 .054	.067 .041 .039 .104 .126 .109 .067 .007 .007 .099 .112 .041 .047	.046 .005 .013 .128 .142 .100 .053 .008 042 132 094 132 .007	053 060 015 257 337 252 148 090 189 216 157 070 013 099 127	.052 .038 .024 .012 004 015 021 015 006 .014 .051	3
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,750 -2,500 -2,250 -2,500 -1,750 -1,250	.051 .049 .051 .072 .063 .040 .029 .013 .006 .029 029 036 .027 .013 .101 .170	0045 0050 0042 0056 0079 0067 0034 0014 0020 0059 0091 0091 0090 132	.059 .046 .049 .091 .091 .082 .057 .022 022 101 105 040 .054 .107	.067 .041 .039 .104 .126 .109 .067 .007 042 070 099 112 .047 .097	.046 .005 .013 .128 .142 .100 .053 .008 042 094 132 098 .017	053 060 015 257 337 252 148 090 189 216 157 070 013 089 127 167	.052 .038 .024 .012 -004 -015 -021 -015 -006 .014 .051	3
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -3.750	.051 .049 .051 .072 .063 .040 .029 .013 .006 029 .013 .101 .170 .208 .237	.045 .050 .042 .056 .079 .069 .067 .034 .014 .020 .059 .091 .020 .080 .132 .174 .237	.059 .046 .049 .091 .082 .057 .022 072 101 105 040 .054 .107 .159	.067 .041 .039 .104 .126 .109 .067 .007 .007 .009 .112 .041 .097 .152 .206	.046 .005 .013 .128 .142 .100 .053 .008 -042 -1094 -132 -098 .017 .017 .018 .163 .215	053 060 015 257 337 252 148 090 189 216 157 070 .013 .089 127 167 207	.052 .038 .024 .012 -004 -015 -0015 -0015 -0016 .0014 .0051 .0071	3
-5,500 -5,000 -4,500 -4,500 -3,500 -3,500 -2,750 -2,500 -2,250 -2,500 -1,250	.051 .049 .051 .072 .063 .040 .029 .013 .006 .029 029 036 .027 .013 .101 .170	0045 0050 0042 0056 0079 0067 0034 0014 0020 0059 0091 0091 0090 132	.059 .046 .049 .091 .091 .082 .057 .022 072 -101 -105 -040 .054 .159 .220	.067 .041 .039 .104 .126 .109 .067 .007 042 070 099 112 .047 .097	.046 .005 .013 .128 .142 .100 .053 .008 .042 -094 -132 -098 .017 .070 .118 .163 .215	053 060 015 257 337 252 148 090 189 216 157 070 013 089 127 167	.052 .038 .024 .012 -004 -015 -021 -015 -006 .014 .051 .071 .094 .120	3
-5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -2,500 -2,500 -2,500 -1,750 -1,500 -1,250 -1,000 -7,750 -1,500 -3,750 -3,750 -3,750 -3,750 -3,750 -1,1250 -1,1250 -1,1250 -1,1250 -1,1250 -1,1250 -1,1250 -1,1250 -1,1250 -1,1250 -1,1250 -1,1250 -1,1250 -1,1250 -1,1250 -1,1250 -1,1250 -1,1250	.051 .049 .051 .072 .063 .040 .029 .013 .006 029 036 027 .013 .101 .170 .208 .237 .267	0045 0050 0042 0056 0079 0067 0034 0014 -0020 -0059 -0094 -0091 -020 080 0132 1174 237 268	.059 .046 .049 .091 .091 .082 .057 .022 022 101 105 040 .054 .107 .129 .220 .220 .220 .220 .230 .230 .230 .230	.067 .041 .039 .104 .126 .109 .067 .007 .042 .070 .0112 .041 .047 .097 .115 .206 .247	.046 .005 .013 .128 .142 .100 .053 .008 042 094 132 098 .017 .070 .118 .163 .215 .226	053 060 015 257 337 252 148 090 157 070 157 077 157 073 127 127 243	052 038 024 012 -0004 -015 -021 -005 -006 014 071 094 120 138	3
-5,500 -6,500 -4,500 -4,500 -3,500 -3,500 -2,750 -2,500 -2,250 -1,500 -1,500 -1,500 -1,500 -1,500 -1,500 -1,500 -3,500	.051 .049 .051 .072 .063 .040 .029 .013 .006 -029 -036 -027 .013 .101 .170 .208 .237 .267	.045 .050 .042 .056 .079 .069 .067 .034 .014 .020 .059 .091 .020 .080 .132 .174 .237	.059 .046 .049 .091 .082 .057 .022 072 101 105 040 .054 .107 .159	.067 .041 .039 .104 .126 .109 .067 .007 .007 .009 .112 .041 .097 .152 .206	.046 .005 .013 .128 .142 .100 .053 .008 .042 -094 -132 -098 .017 .070 .118 .163 .215	053 060 015 257 337 252 148 090 189 216 157 070 .013 .089 127 167 207	.052 .038 .024 .012 -004 -015 -021 -015 -006 .014 .051 .071 .094 .120	3
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.450 -2.450 -2.450 -1.4500 -1.250 -1.000 -750 -625 -500 -375 -2250 -1250 -1250 -1000	.051 .049 .051 .072 .063 .040 .013 .006 029 .013 .001 .170 .208 .237 .267 .292 .317	0045 0050 0042 0056 0079 0067 0034 0014 0020 0059 0094 0091 000 080 132 174 237 268	.059 .046 .049 .091 .091 .082 .057 .022 022 101 105 040 .054 .107 .159 .220 .220 .220 .220	.067 .041 .039 .104 .126 .109 .067 .007 042 070 099 112 041 .097 .152 .206 .247	.046 .005 .013 .128 .142 .100 .053 .008 042 094 132 098 .017 .070 .118 .163 .215 .226	053 060 015 257 337 252 148 090 157 070 157 077 157 073 127 127 243	052 038 024 012 -005 -005 -005 -006 0014 0051 0071 0094 1200 138	3
-5,500 -6,500 -4,500 -4,500 -3,500 -3,500 -2,750 -2,500 -1,750 -1,500 -1,500 -1,500 -1,500 -1,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -3,	.051 .049 .051 .072 .063 .040 .029 .013 .006 029 036 027 .013 .101 .170 .208 .237 .267 .292 .301 .317	.045 .050 .042 .056 .079 .067 .034 .014 .020 .0059 .091 .091 .020 .080 .132 .174 .237 .268	.059 .046 .049 .091 .091 .057 .022 022 072 105 054 .107 .159 .220 .264 .220 .221	.067 .041 .039 .104 .126 .109 .067 .007 .007 .070 .099 .112 .004 .007 .097 .152 .206 .247	.046 .005 .013 .128 .142 .100 .053 .008 .042 -094 -132 -098 .017 .070 .118 .163 .246 .279	053 060 015 257 337 252 148 090 157 070 157 077 157 073 127 127 243	.052 .038 .024 .012 -005 -005 -005 -0015 -0016 .0071 .0071 .0071 .120 .138 .144 .155	3
-5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,450 -2,450 -2,450 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75	.051 .049 .051 .072 .063 .040 .013 .006 029 036 027 .013 .101 .170 .208 .237 .267 .292 .301	0.045 0.050 0.042 0.056 0.079 0.069 0.067 0.014 0.020 0.059 0.094 0.059 0.094 0.059 0.080 1.32 1.74 2.237 2.268 3.14	.059 .046 .049 .091 .091 .082 .057 .022 072 101 105 040 .054 .107 .159 .220 .264 .290 .321	.067 .041 .039 .104 .126 .109 .067 .007 .007 .009 .112 .047 .097 .152 .206 .247	.046 .005 .013 .128 .142 .100 .053 .008 042 094 132 098 .017 .070 .118 .163 .215 .226	053 060 015 257 337 252 148 090 157 070 157 077 157 073 127 127 243	052 038 024 012 -005 -005 -005 -006 0014 0051 0071 0094 1200 138	3
-5,500 -5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -2,250 -2,250 -2,2000 -1,750 -1,500 -1,500 -7,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -3,500	.051 .049 .051 .072 .063 .040 .029 .013 .006 029 036 027 .013 .101 .170 .208 .237 .267 .292 .301 .317	.045 .050 .042 .056 .079 .067 .034 .014 .020 .059 .091 .020 .080 .132 .174 .237 .268	.059 .046 .049 .091 .091 .082 .057 .022 072 105 105 .054 .107 .159 .220 .220 .220 .221	.067 .041 .039 .104 .126 .109 .067 .007 .009 -112 .047 .097 .152 .206 .247	.046 .005 .013 .128 .142 .100 .053 .008 .042 -094 -132 -098 .017 .070 .118 .163 .246 .279 .321	053 060 015 257 337 252 148 090 189 216 157 070 .013 .089 127 127 243	.052 .038 .024 .012 .0004 015 021 015 006 .014 .051 .071 .071 .094 .120 .138 .144 .155	3
-5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,750 -2,250 -2,000 -1,750 -1,500 -1,750 -1,500 -3,75 -5,000 -3,75 -1,500 -3,75 -1,500 -3,75 -1,500 -3,75 -1,500 -3,75 -1,500 -3,75 -1,500 -3,75 -1,500 -3,75 -1,500 -3,75 -1,500 -3,75 -1,500 -3,75 -1,500 -3,75 -1,500 -3,75	.051 .049 .051 .072 .063 .040 .029 .013 .006 029 .036 027 .013 .101 .170 .208 .237 .267 .292 .301 .317	0.045 0.050 0.042 0.056 0.079 0.069 0.067 0.014 -0.020 -0.059 -0.094 -0.091 -0.20 0.80 1.32 1.74 2.37 2.268 3.314	.059 .046 .049 .091 .091 .082 .057 .022 072 105 040 .054 .107 .159 .220 .264 .290 .321 059 059 059	.067 .041 .039 .104 .126 .109 .067 .007 .0042 .009 .112 .0041 .047 .097 .152 .206 .247 .317	.046 .005 .013 .128 .142 .100 .053 .008 .042 -094 -132 -098 .017 .070 .118 .163 .215 .246 .279 .321	053 060 015 257 337 252 148 090 189 216 157 070 1157 070 127 207 243 319	052 038 024 0012 0004 -015 -021 -005 -006 0014 0051 0071 0094 120 138 144 155	3
-5,500 -5,500 -4,500 -4,500 -4,500 -3,600 -3,600 -2,750 -2,500 -2,250 -1,750 -1,500 -1,250 -1,500 -1,250 -1,250 -1,250 -1,250 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -3,	.051 .049 .051 .072 .063 .040 .029 .013 .006 029 .013 .101 .170 .208 .237 .267 .292 .301 .317 082 .076 081	0045 0050 0042 0056 0079 0067 0034 0014 0020 0059 0091 020 080 0132 174 237 268 0314 0072 0072 0072 0070 0067	.059 .046 .049 .091 .091 .082 .057 .022 072 105 105 .107 .159 .220 .220 .220 .221 .202 .203 .203 .203 .203 .203 .203 .203	.067 .041 .039 .104 .126 .109 .067 .007 .007 .009 -112 .047 .097 .152 .206 .247	.046 .005 .013 .128 .142 .100 .053 .008 .042 -094 -132 -096 .017 .070 .118 .163 .215 .246 .279 .321	053 060 015 257 337 252 148 090 216 157 070 .013 .089 216 157 070 .013 .039 243 319	.052 .038 .024 .012 .0004 .012 .0015 .0016 .0014 .071 .0051 .071 .094 .120 .138 .144 .155	3
-5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,250 -2,250 -1,750 -1,500 -1,750 -1,500 -3,75 -500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -3	.051 .049 .051 .072 .063 .040 .029 .013 .006 029 .013 .101 .170 .208 .237 .267 .292 .301 .317	0045 0050 0042 0056 0079 0067 0067 0014 0020 0059 0091 0020 0080 132 174 237 268 314	.059 .046 .049 .091 .091 .057 .022 072 105 040 .054 .107 .159 .220 .264 .290 .321 059 059 037 .002	.067 .041 .039 .104 .126 .109 .067 .007 .007 .009 .112 .047 .097 .152 .206 .247 .317 .065 .061 .049 .065	.046 .005 .013 .128 .142 .100 .053 .008 .042 -094 -132 -098 .017 .070 .118 .163 .215 .224 .279 .321	053 060 015 257 337 252 148 090 189 216 157 070 013 089 127 207 243 319	052 038 024 0012 0004 -015 -021 -005 0014 0051 0071 0094 120 138 144 155 -103 -103 -071 -090 0062	3
-5,500 -4,500 -4,500 -4,500 -4,500 -3,500 -3,500 -2,500 -2,250 -2,000 -1,750 -1,500 -1,250 -1,000 -7,750 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -3,500 -3,500 -	.051 .049 .051 .072 .063 .040 .029 .013 .006 029 .013 .101 .170 .208 .237 .227 .237 .267 .292 .301 .317 082 082 082 081 081	.045 .050 .042 .056 .079 .067 .034 .014 .020 .059 .091 .020 .080 .132 .174 .237 .268 .314 .072 .072 .072 .070 .060 .055 .072	.059 .046 .049 .091 .091 .082 .057 .022 072 105 105 .107 .159 .220 .220 .220 .321 062 059 	.067 .041 .039 .104 .126 .109 .007 .007 .007 .009 -112 .047 .097 .152 .206 .247 .317 .049 .041 .047 .097 .152 .206 .247	.046 .005 .013 .128 .142 .100 .053 .008 .042 -094 -132 -097 .118 .163 .215 .246 .279 .321	053 060 015 257 337 252 148 090 216 157 070 .013 .089 157 207 .243 319	.052 .038 .024 .012 .0004 .015 .0015 .0016 .014 .071 .0094 .120 .138 .144 .155 .100 .071 .0090 .0109	3
-5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,250 -2,250 -1	.051 .049 .051 .072 .063 .040 .029 .013 .006029 .013 .101 .170 .208 .237 .267 .292 .301 .317082076081117193146090015	0045 0050 0042 0056 0079 0069 0067 0014 0014 0020 0059 0091 0020 0080 1132 1174 2237 2268 0014 0072 0070	.059 .046 .049 .091 .091 .057 .022 022 105 105 040 .054 .159 .220 .264 .290 .321 059 059 037 .002	.067 .041 .039 .104 .126 .109 .067 .007 .007 .009 .112 .001 .007 .152 .206 .247 .317	.046 .005 .013 .128 .142 .100 .053 .008 .042 -094 -132 -098 .017 .070 .118 .163 .224 .279 .321	053 060 015 257 337 252 148 090 216 157 070 189 216 157 070 243 319	052 038 024 0012 0004 -015 -021 -005 -006 0014 0071 0094 120 138 144 155 -103 -107 -0071 -0062 -0071	3
-5,500 -4,500 -4,500 -4,500 -4,500 -3,500 -3,500 -2,250 -2,000 -1,750 -1,500 -1,250 -1,000 -750 -3,75 -250 -3,75 -250 -3,75 -1,500 -1,250 -1,000 -3,75 -1,000 -3,75 -1,000	.051 .072 .063 .072 .063 .040 .029 .013 .006029 .013 .101 .170 .208 .237 .267 .292 .301 .317082076081117193146090013	0045 0050 0042 0056 0079 0067 0034 0014 0020 0059 0094 1091 0080 132 174 237 268 314 0074 0072 0072 0072 0074 0054 0054 0054 0054 0054 0054 0055	.059 .046 .049 .091 .091 .082 .057 .022 072 105 105 .107 .159 .220 .220 .220 .221 062 .290 .321 069 .059 .059 .070 .114 .131	.067 .041 .039 .104 .126 .109 .067 .007 .007 .009 .112 .047 .097 .152 .206 .247 .317 .065 .061 .049 .001 .001 .003 .003 .003 .004 .007 .009 .007 .009 .007 .009 .007 .009 .007 .009 .007 .009 .007 .009 .007 .009 .007 .009 .007 .009 .007 .009 .007 .009 .007 .009 .007 .009 .007 .009 .009	.046 .005 .013 .128 .142 .100 .053 .008 .042 -094 -132 -096 .017 .070 .118 .163 .215 .246 .279 .321	053 060 015 257 337 252 148 090 216 157 070 .013 .089 127 127 207 243 319	.052 .038 .024 .012 .0004 .012 .0015 .0016 .0014 .071 .0051 .071 .094 .120 .138 .144 .155 .105 .0103	3
-5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,250 -2,250 -1,750 -1,500 -1,750 -1,500 -3,75 -500 -3,75 -1000 -3,75 -3,75 -3,75 -3,75 -3,75 -3,75 -3,75 -3,75 -3,75 -3,75 -3,75 -3,75 -3,75 -3,75 -3,75 -3,75	.051 .049 .051 .072 .063 .040 .029 .013 .006 .029 .036 .027 .013 .101 .170 .208 .237 .267 .292 .301 .317 .082 .076 .081 .117 .1193 .146 .090 .015 .013	.045 .050 .042 .056 .079 .067 .034 .014 .020 .059 .094 .091 .020 .080 .132 .174 .237 .268 .314	.059 .046 .049 .091 .091 .057 .022 022 072 105 040 .054 .107 .159 .220 .264 .290 .321 059 059 037 .002 .070 .114 .130 .131	.067 .041 .039 .104 .126 .109 .067 .007 .007 .009 .112 .004 .007 .152 .206 .247 .317 .065 .099 .011 .009 .015 .009 .009 .009 .009 .009 .009 .009 .00	.046 .005 .013 .128 .142 .100 .053 .008 .042 -094 -132 -098 .017 .070 .118 .163 .224 .279 .321 .001 .005 .000 .005 .000 .005 .000 .005 .000 .005 .000 .005 .000 .005 .000 .005 .000 .005 .000 .005	053 060 015 257 337 252 148 090 189 216 157 070 189 216 157 070 243 319 207 243 319 207 243 319	052 038 024 012 0004 -015 -021 -005 -006 014 051 071 094 120 138 114 155 -103 -103 -107 -0062 -0062	3
-5,500 -4,500 -4,500 -4,500 -4,500 -3,500 -3,500 -2,500 -2,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1,750 -1,500 -1	.051 .049 .051 .072 .063 .040 .029 .013 .006029 .013 .101 .170 .208 .237 .267 .292 .301 .317082 .076081117193146090013	0045 0050 0042 0056 0079 0067 0034 0014 0020 0059 0094 1091 0080 132 1174 2237 268 314 0074 0072 0070 0080 132 1174 1237 1070	.059 .046 .049 .091 .082 .057 .022072101105040 .054 .107 .159 .220 .264 .290 .321059059037 .002 .070 .114 .131 .107 .071	.067 .041 .039 .104 .126 .109 .067 .007 .0042 .009 .112 .041 .047 .097 .152 .206 .247 .065 .065 .065 .065 .065 .065 .065 .065	.046 .005 .013 .128 .142 .100 .053 .008 .042 094 132 098 .017 .070 .118 .215 .226 .279 .321	053 060 015 257 337 252 148 090 189 216 157 070 .013 .089 127 207 .243 .319	.052 .038 .024 .012 .004 .015 .005 .006 .005 .007 .005 .009 .138 .144 .155 .103 .144 .155 .103 .105 .007 .007 .007 .007 .007 .007 .007 .0	3
-5,500 -4,500 -4,500 -4,500 -4,500 -3,500 -3,500 -2,500 -2,250 -2,000 -1,750 -1,500 -1,750 -1,500 -3,75 -250 -3,75 -250 -3,75 -250 -3,75 -	.051 .049 .051 .072 .063 .040 .029 .013 .006 027 .013 .101 .170 .208 .237 .267 .292 .301 .317 082 081 117 081 1193 146 090 013	.045 .050 .042 .056 .079 .067 .034 .014 .020 .059 .091 .020 .080 .132 .174 .237 .268 .314 .074 .072 .072 .070 .054 .0115 .074 .075 .076 .076	.059 .046 .049 .091 .091 .057 .022 -022 -101 -105 .054 .107 .159 .220 .264 .220 .221 -062 -059 -059 -059 -059 -070 .114 .130 .131 .107 .079	.067 .041 .039 .104 .126 .109 .067 .007 .007 .009 .112 .004 .007 .152 .206 .247 .317 .065 .065 .099 .011 .016 .036 .036 .036 .036 .036 .036 .036 .03	.046 .005 .013 .128 .142 .100 .053 .008 .042 -094 -132 -098 .017 .070 .118 .163 .246 .279 .321 -032 -015 .000 -055 -063 -063 -065 -065 -065 -065 -065 -065 -065 -065	05306001557337252148090189216157070013089127070013089127070013010024062036024036024036026026027007	052 038 024 012 0004 -015 -021 -005 0014 0071 0094 120 138 144 155 -103 -103 -107 -0062 007 -0062	3
-5,500 -4,500 -4,500 -4,500 -3,500 -3,500 -2,750 -2,500 -1,750 -1,250 -1	.051 .049 .051 .072 .063 .040 .029 .013 .006029 .013 .101 .170 .208 .237 .267 .292 .301 .317082 .076081117193146090015013 .008027 .013	.045 .050 .050 .042 .056 .079 .067 .014 .020 .059 .094 .091 .020 .080 .132 .174 .237 .268 .314 .074 .072 .070 .054 .074 .074 .075 .074 .074 .078 .078 .078 .078 .078 .078 .078 .078	.059 .046 .049 .091 .082 .057 .022072105040 .054 .107 .159 .220 .264 .290 .321059059037 .002 .0770 .114 .130 .131 .107	.067 .041 .039 .104 .126 .109 .067 .007 .0042 .009 .112 .041 .047 .097 .152 .206 .247 .055 .061 .049 .065 .065 .065 .065 .065 .065 .065 .065	.046 .005 .013 .128 .142 .100 .053 .008 .042 -094 -132 -098 .017 .070 .118 .163 .224 .279 .321	053 060 015 257 337 252 148 090 189 216 157 070 189 216 157 070 189 216 157 070 243 319 207 243 319	.052 .038 .024 .012 .004 .015 .005 .006 .005 .007 .005 .009 .138 .144 .155 .103 .144 .155 .103 .105 .007 .007 .007 .007 .007 .007 .007 .0	3
-5,500 -4,500 -4,500 -4,500 -3,600 -3,600 -2,750 -2,500 -2,250 -1,500 -1,500 -1,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -3,75 -2,500 -1,750 -1,500 -1,500	.051 .049 .051 .072 .063 .040 .029 .013 .006 .029 .013 .101 .170 .208 .237 .267 .292 .301 .317 .082 .076 .081 .117 .193 .146 .090 .013 .004	0045 0050 0042 0056 0079 0067 0034 0014 0020 0080 132 1174 237 268 314 -0074 -0070 -0080 132 1174 -0070 -0080 -0091 -00	.059 .046 .049 .049 .091 .082 .057 .022 .072 .105 .040 .159 .220 .264 .290 .221 .062 .059 .059 .059 .070 .1114 .130 .107 .079 .079 .079	.067 .041 .039 .104 .126 .109 .067 .007 .007 .009 .112 .047 .097 .152 .206 .247 .317 .065 .061 .099 .011 .016 .030 .030 .036 .036 .036 .036 .036 .03	.046 .005 .013 .128 .142 .100 .053 .008 .042 -098 .017 .070 .118 .163 .225 .226 .279 .321 .005 .000 -0029 -051 -049 .005 .005 .005 .005 .005 .005 .005 .00	0530600155733725214809018921615707018921615707018921615707013089127070013089013010024062063005006006006	052 038 024 012 0004 -015 -021 -005 0014 0071 0094 120 138 144 155 -103 -103 -107 -0062 007 -0062	3
-5,500 -4,500 -4,500 -3,500 -3,500 -3,500 -2,250 -2,000 -1,750 -1,250 -1,750 -1,250 -1,750 -1,250 -1	.051 .049 .051 .072 .063 .040 .029 .013 .006 .029 .013 .101 .170 .208 .237 .267 .292 .301 .317 .082 .076 .081 .117 .193 .146 .090 .015 .008 .027 .008 .007 .008 .007 .008 .007 .008	045 050 042 056 079 067 034 014 -020 -059 -099 -099 -099 -174 -237 -268 -314 -074 -072 -070 -054 -060 -128 -115 -074 -074 -072 -070 -084 -086 -0	.059 .046 .049 .049 .091 .082 .057 .022072105040 .054 .107 .159 .220 .264 .290 .321062059037 .002 .070 .114 .130 .131 .107 .071 .079 .070 .059	.067 .041 .039 .104 .126 .109 .067 .007 .007 .009 .112 .047 .097 .152 .206 .247 .317 .065 .061 .049 .065 .061 .065 .069 .069 .069 .069 .069 .069 .069 .069	.046 .005 .013 .128 .142 .100 .053 .008 .042 -098 .017 .070 .118 .163 .215 .224 .279 .321	053060015257337252148090189216157070013089127207243319010024063070086023006006013	052 038 024 012 0004 -015 -021 -005 0014 0071 0094 120 138 144 155 -103 -103 -107 -0062 007 -0062	3
-5,500 -5,500 -4,500 -4,500 -4,500 -3,600 -3,600 -2,750 -2,500 -2,250 -1,750 -1,500 -1,250 -1	.051 .049 .051 .072 .063 .040 .029 .013 .006 .029 .013 .011 .170 .208 .237 .267 .292 .301 .317 .082 .076 .081 .117 .193 .146 .090 .015 .004 .008 .007 .008 .007 .008 .007 .008 .007 .008 .008	.045 .050 .042 .056 .079 .067 .008 .014 .014 .020 .059 .094 .091 .020 .080 .132 .174 .237 .268 .314 .074 .072 .070 .054 .072 .070 .054 .072 .070 .055 .072 .070 .060 .012 .072 .072 .072 .070 .080 .080 .080 .080 .080 .080 .080	.059 .046 .049 .049 .091 .082 .057 .022 -072 -101 -105 -040 .054 .107 .159 .220 .264 .290 .321 -062 -059 -059 -059 -059 -070 .114 .131 .107 .071 .079 .070 .059 .007	.067 .041 .039 .104 .126 .109 .067 .007 .009 .112 .047 .097 .152 .206 .247 .317 .065 .065 .069 .039 .016 .036 .059 .059 .059 .059 .059 .059 .059 .059	.046 .005 .013 .128 .142 .100 .053 .008 .042 -098 .017 .070 .118 .163 .226 .279 .321 .005 .005 .005 .005 .005 .005 .005 .00	053060015577337252148090189216157070013089127070013034024054036036036036006013	052 038 024 012 0004 -015 -021 -005 0014 0071 0094 120 138 144 155 -103 -103 -107 -0062 007 -0062	3
-5,500 -4,500 -4,500 -3,500 -3,500 -3,500 -3,500 -2,250 -2,000 -1,750 -1,250 -1,750 -1,250 -1,750 -1,250 -1	.051 .049 .051 .072 .063 .040 .029 .013 .006 .029 .013 .101 .170 .208 .237 .267 .292 .301 .317 .082 .076 .081 .117 .193 .146 .090 .015 .008 .027	045 050 042 056 079 067 034 014 -020 -059 -091 -020 080 132 174 237 268 314 -072 -070 -054 -060 -128 -115 -078 -078 -078 -078 -078 -0794 -078 -	.059 .046 .049 .049 .091 .091 .082 .057 .022072105040 .054 .107 .159 .220 .321062059037 .002 .070 .114 .130 .131 .107 .071 .079 .070 .059 .040 .029 .040 .029	.067 .041 .039 .104 .126 .109 .067 .007 .009 .112 .047 .099 .112 .047 .099 .1152 .206 .247 .317 .065 .061 .049 .030 .059 .059 .059 .059 .059 .059 .059 .05	.046 .005 .013 .128 .142 .100 .053 .008 .042 .098 .017 .070 .118 .163 .215 .224 .279 .321	053060015257337252148090189216157070013089127207243319010024063054036023006013074019	052 038 024 012 0004 -015 -021 -005 0014 0071 0094 120 138 144 155 -103 -103 -107 -0062 007 -0062	3
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.250 -1.500 -1.2500 -1.2500	.051 .049 .051 .072 .063 .040 .029 .013 .006 .029 .013 .011 .170 .208 .237 .267 .292 .301 .317 .082 .076 .081 .117 .193 .146 .090 .015 .004 .008 .007 .008 .007 .008 .007 .008 .007 .008 .008	.045 .050 .042 .056 .079 .067 .008 .014 .014 .020 .059 .094 .091 .020 .080 .132 .174 .237 .268 .314 .074 .072 .070 .054 .072 .070 .054 .072 .070 .055 .072 .070 .060 .012 .072 .072 .072 .070 .080 .080 .080 .080 .080 .080 .080	.059 .046 .049 .049 .091 .082 .057 .022 -072 -101 -105 -040 .054 .107 .159 .220 .264 .290 .321 -062 -059 -059 -059 -059 -070 .114 .131 .107 .071 .079 .070 .059 .0002	.067 .041 .039 .104 .126 .109 .067 .007 .009 .112 .047 .097 .152 .206 .247 .317 .065 .065 .069 .039 .016 .036 .059 .059 .059 .059 .059 .059 .059 .059	.046 .005 .013 .128 .142 .100 .053 .008 .042 -098 .017 .070 .118 .163 .226 .279 .321 .005 .005 .005 .005 .005 .005 .005 .00	053060015577337252148090189216157070013089127070013034024054036036036036006013	052 038 024 012 0004 -015 -021 -005 0014 0071 0094 120 138 144 155 -103 -103 -107 -0062 007 -0062	3

Table 19
Plate and Spoiler Pressure Coefficients

Configuration 2 M=2*01 $R=0*12 \times 10^6$

				Plate				Spoi	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	00 °				
-6.000	005	•005	•017	•006	•353 •372	•357		1	. 444
-5.500 -5.000	007 010	002	•017	•104		•357		2	• 403
-4.500	005	•000	•025	•307	•381	•357		3	• 381
-4.000	•174	•005 •218	•146 •338	• 353	•386	•357		4	*401
-3.500	•318	•328	•375	• 340 • 359	•389	•357	• 127	5	• 432
-3.000	•318	•343	•360	• 356	•386	•355	•329	6	•511
-2.750	•325	• 405	•375	• 356	•377 •367	•343	•360 •360	7	• 425
-2.500	•345	•362	•375	•349	•353	•355	•362	8 9	226
-2.250	•387	• 380	•372	•343	•345	•360	•369	10	
-2.000	•340	•367	•362	•340	•336	•372	•372	îi	228 238
-1.750	•380	•357	• 357	.327	•338	•386	•362	12	• 453
-1.500	•345	• 355	•338	•327	•343	•405	• 362	13	. 415
-1.250	•290	•343	•330	•320	•353	•432	• 353	14	• 389
-1.000	•318	•338	•324	• 324	•367	•458	•338	15	.415
750	•328	•328	•320	• 333	•393	•485	•326	16	. 449
625	•320	•333	•330	• 349	•408	•494	•326	17	.530
500	•343	• 343	•330	• 362	•425	•509	•345	18	.600
375	•343	• 367	•359	•398	• 453	•513	•377	19	226
250	•380	• 410	• 404	• 472	• 489	•501	• 422	20	223
-•125 •000	• 459	• 474	• 469		•480		• 489	21	221
•000	• 454	• 4 / 4	• 450	• 456	• 475	•487	• 489	22	218
• 250	253	228	246	223			233		
• 375	241	238	249	246	223		218		
•500	248	233	249	239	223		218	The Parket	
• 750	243	238	223	210	223	216	221		
1.000	233	032	239	239	- • 223	216	216		
1.250	216 201	206 179	214	214	223	216	194		
1.750	•313		204	204	- 4223	211	170		
2.000	149	156 139	191 026	185 175	226	211	142		
2.250	132	117	120	161	-•211 -•206	211	130		
2.500	107	099	120	151	194	218 211	108 091		
2.750	099	089	113	127	190	211	082		
3.000	089	070	120	108	178	216	067		
3.500	070	045	045	089	146	216	•001		
4.000	060	042	068	065	130	216			
4.500	050	040	058	043	118	209			
5.000	042	035	049	036	108	194			
5.500	040	017	042	031	082	182			
6.000	- 000	- 015	036	024	010				
	022	015	026	026	060	161			
	022	015	-•026		15°	-•161			
76.000				Λ= :	15°				
-6.000 -5.500	002 005	•007	•015	Λ= :	15°	• 288		1 2	• 458
-6.000 -5.500 -5.000	-•002 -•005	•007	•015 •915	Λ= :	•379 •403	• 288 • 276		1 2 3	.410
-5.500	002	•007 •005 •012	•015 •015 •040	Λ= : •006 •152 •320	•379 •403 •391	•288 •276 •293		3	• 410 • 384
-5.500 -5.000 -4.500 -4.000	002 005 .002	•007	•015 •915	Λ= : •006 •152 •320 •353	•379 •403 •391 •384	•288 •276 •293 •302	•223	3 4	.410 .384 .405
-5.500 -5.000 -4.500 -4.000 -3.500	002 005 .002 .010 .216	.007 .005 .012 .937 .263	.015 .015 .040 .266 .333	Λ= : •006 •152 •320	15° .379 .403 .391 .384	•288 •276 •293	*223 *321	3 4 5	• 410 • 384 • 405 • 453
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000	002 005 .002 .010 .216 .300	.007 .005 .012 .037 .263 .313	•015 •015 •040 •266 •333 •345 •330	Λ= : .006 .152 .320 .353 .330 .330	15° •379 •403 •391 •384 •372 •360 •350	• 288 • 276 • 293 • 302 • 300	• 223 • 321 • 338	3 4	.410 .384 .405 .453
-5.500 -5.000 -4.500 -3.500 -3.500 -2.750	002 005 .002 .010 .216 .300 .305	.007 .005 .012 .037 .263 .313 .325	.015 .015 .040 .266 .333 .345 .330	Λ= .006 .152 .320 .353 .330 .330 .320 .320	*379 *403 *391 *384 *372 *360 *350 *343	•288 •276 •293 •302 •300 •297 •297 •307	•321 •338 •345	3 4 5 6 7 8	.410 .384 .405 .453 .547 .461
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500	002 005 .002 .010 .216 .300 .305 .313	.007 .005 .012 .037 .263 .313 .325 .377	•015 •015 •040 •266 •333 •345 •330 •343 •345	Λ= .006 .152 .320 .353 .330 .330 .320 .320 .320	*379 *403 *391 *384 *372 *360 *350 *343 *341	•288 •276 •293 •302 •300 •297 •297 •307 •309	•321 •338 •345 •353	3 4 5 6 7 8	. 410 . 384 . 405 . 453 . 547 . 461 - 233 - 242
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.550	002 005 .002 .010 .216 .300 .305 .313 .323	.007 .005 .012 .037 .263 .313 .325 .377 .328	*015 *015 *040 *266 *333 *345 *330 *343 *345 *343	Λ = : .006 .152 .320 .353 .330 .330 .320 .320 .320 .320 .320	*379 *403 *391 *384 *372 *360 *350 *343 *341 *336	*288 *276 *293 *302 *300 *297 *297 *307 *309 *317	• 321 • 338 • 345 • 353 • 345	3 4 5 6 7 8 9	. 410 . 384 . 405 . 453 . 547 . 461 - 233 - 242 - 233
-5.500 -5.000 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250	002 005 .002 .010 .216 .305 .313 .323 .370	*007 *005 *012 *037 *263 *313 *325 *377 *328 *348 *333	015 015 040 266 333 345 330 343 343 343	Λ = :	**379 **403 **391 **384 **372 **260 **350 **343 **341 **336 **331	.288 .276 .293 .302 .300 .297 .297 .307 .309 .317	.321 .338 .345 .353 .345	3 4 5 6 7 8 9 10	. 410 .384 .405 .453 .547 .461 233 242 233
75.500 76.000 74.500 74.000 73.500 72.750 72.500 72.250 72.250	002 005 .002 .010 .216 .300 .305 .313 .323 .370 .318	*007 *005 *012 *037 *263 *313 *325 *377 *328 *348 *333	• 015 • 015 • 040 • 266 • 333 • 345 • 330 • 343 • 343 • 343 • 343	Λ = : .006 .152 .220 .353 .330 .320 .220 .220 .220 .220 .220 .22	15° 403 491 384 372 4360 350 343 341 336 331	.288 .276 .293 .302 .300 .297 .297 .307 .309 .317 .314	.321 .338 .345 .353 .345 .345	3 4 5 6 7 8 9 10 11 12	. 410 .384 .405 .453 .547 .461 233 242 233 240 .425
75.500 75.000 74.500 74.000 73.500 73.000 72.750 72.500 72.500 72.500 72.500	002 005 .002 .010 .216 .300 .305 .313 .323 .370 .318 .357	*007 *005 *012 *037 *263 *313 *325 *377 *328 *348 *333 *333 *320	*015 *015 *040 *266 *333 *345 *343 *343 *343 *343 *343 *318	Λ = :: .006 .152 .320 .330 .330 .320 .220 .220 .327 .327 .327 .327 .327 .327 .327 .327	**379 **403 **391 **384 **372 **360 **350 **341 **336 **331 **326 **326	*288 *276 *293 *302 *300 *297 *307 *307 *314 *331	.321 .338 .345 .353 .345 .345 .345	3 4 5 6 7 8 9 10 11 12 13	. 410 .384 .405 .453 .547 .461 233 242 233 242 .379
75.500 74.500 74.500 74.000 73.500 73.500 73.500 72.750 72.250 72.250 72.250 72.250 72.250	002 005 .002 .010 .216 .305 .305 .313 .323 .370 .318 .357 .325 .298	*007 *005 *012 *037 *263 *313 *325 *377 *328 *348 *333 *333 *333 *333 *333 *333 *33	*015 *015 *040 *266 *333 *345 *330 *343 *343 *343 *343 *343 *318 *315	A = :: .006 .152 .320 .359 .330 .320 .220 .220 .320 .320 .320 .320	*379 *403 *391 *384 *372 *360 *350 *343 *334 *336 *331 *326 *326	*288 *276 *293 *302 *300 *297 *307 *317 *314 *331 *348 *379	.321 .338 .345 .353 .345 .345 .345	3 4 5 6 7 8 9 10 11 12 13 14	. 410 .384 .405 .453 .547 .461 233 242 233 240 .425 .379 .360
75.500 75.000 74.500 74.000 73.500 73.500 72.750 72.500 72.250 72.000 71.750 71.250 71.000	002 005 .002 .010 .216 .300 .305 .313 .323 .370 .318 .357 .325 .298	*007 *005 *012 *037 *263 *313 *325 *377 *328 *348 *333 *320 *315 *298	*015 *015 *040 *266 *333 *345 *330 *343 *343 *343 *343 *343 *318 *315 *294	Λ = : .006 .152 .320 .330 .330 .320 .320 .320 .327 .327 .298	#379 #403 #391 #384 #372 #360 #350 #341 #336 #326 #326 #326 #326	*288 *276 *293 *302 *300 *297 *307 *309 *317 *314 *331 *348 *379 *410	.321 .3345 .353 .345 .345 .345 .3345 .3345	3 4 5 6 7 8 9 10 11 12 13 14	.410 .384 .405 .453 .547 .461 -233 -242 -233 -240 .379 .360
-5.500 -5.500 -4.500 -4.000 -3.500 -3.500 -2.750 -2.250 -2.250 -1.750 -1.500 -1.500 -1.750 -1.250	002 005 .002 .010 .216 .300 .305 .313 .323 .370 .318 .357 .325 .298 .290	*007 *005 *012 *037 *263 *313 *325 *377 *328 *348 *333 *329 *315 *298 *290	*015 *015 *040 *266 *333 *345 *333 *345 *343 *343 *343 *318 *315 *294	A = :: .006 .152 .320 .355 .330 .320 .320 .320 .320 .320 .327 .320 .317 .298 .298	4379 403 4991 4384 4372 4360 4353 4341 4336 4331 4326 4321 4333 4362	*288 *276 *293 *300 *297 *307 *307 *317 *314 *331 *348 *379 *410	.321 .338 .345 .353 .345 .345 .345 .324 .324	3 4 5 6 7 8 9 10 11 12 13 14 15 16	. 410 .384 .453 .547 .461 233 242 233 240 .425 .360 .391
75.500 75.000 74.500 74.000 73.500 73.500 72.750 72.500 72.250 72.000 71.750 71.250 71.000	002 005 .002 .010 .216 .300 .305 .313 .323 .370 .318 .357 .325 .298	*007 *005 *012 *037 *263 *313 *325 *377 *328 *348 *333 *329 *315 *298 *298 *298	*015 *015 *040 *266 *333 *345 *330 *343 *343 *343 *318 *315 *294 *294	A= :: .006 .152 .320 .330 .330 .320 .220 .320 .327 .220 .317 .298 .298 .314	15° 1379 1403 191 1384 1372 1360 1341 1336 1341 1326 1321 1326 1321 1333 1362 1389	*288 *276 *293 *300 *297 *307 *307 *309 *314 *331 *348 *379 *410 *461 *480	. 321 . 338 . 345 . 353 . 345 . 341 . 345 . 324 . 312 . 302	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	. 410 .384 .405 .453 .547 .461 233 242 233 242 .379 .379 .360 .391 .427 .521
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.1000 -1.750 -1.500 -1.750 -1.625	002 005 .002 .010 .216 .300 .305 .313 .323 .370 .318 .357 .325 .298 .290 .300 .305 .300	*007 *005 *012 *037 *263 *313 *325 *377 *328 *348 *333 *333 *320 *315 *298 *290 *298	*015 *015 *040 *266 *333 *345 *333 *343 *343 *343 *343 *318 *315 *294 *294 *294	A =	*379 *403 *391 *384 *372 *360 *350 *341 *336 *331 *326 *321 *333 *362 *326 *321 *333 *362 *326 *326 *326 *326 *326 *326	*288 *276 *293 *300 *297 *307 *307 *317 *314 *331 *348 *379 *410 *461 *480 *497	. 321 . 338 . 345 . 353 . 345 . 345 . 345 . 336 . 324 . 312 . 302 . 307 . 314	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	. 410 .384 .405 .453 .547 .233 .242 .233 .242 .233 .379 .360 .391 .427 .581
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.500 -1.500 -1.750 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500	002 005 .002 .010 .216 .300 .305 .313 .323 .370 .318 .357 .325 .298 .290 .300 .305 .300	*007 *005 *012 *037 *263 *313 *325 *377 *328 *348 *333 *320 *315 *298 *298 *333 *353	*015 *015 *040 *266 *333 *345 *330 *343 *343 *343 *343 *318 *294 *294 *291 *346	A= :: .006 .152 .320 .330 .330 .320 .220 .320 .337 .298 .298 .314 .333 .349 .995	15° 403 403 4091 4384 4372 4360 4350 4341 4336 4331 4226 4389 4420 4461	*288 *276 *293 *300 *297 *307 *307 *314 *311 *348 *379 *410 *480 *497 *516	. 321 . 338 . 345 . 353 . 345 . 345 . 345 . 324 . 312 . 302 . 307 . 314 . 338	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 410 .384 .405 .453 .547 .461 .233 .242 .233 .242 .233 .245 .379 .3360 .391 .427 .521 .581 .581
-5.500 -6.500 -6.500 -6.500 -3.500 -3.500 -3.500 -2.5500 -2.500 -1.750 -1.500 -1.250 -1.500 -1.250 -1.250	002 005 .002 .010 .216 .300 .305 .313 .323 .370 .318 .357 .325 .298 .290 .300 .325 .343 .329 .343	*007 *005 *012 *037 *263 *313 *325 *377 *328 *348 *333 *329 *315 *298 *298 *333 *353 *412	*015 *015 *040 *266 *333 *345 *333 *343 *343 *343 *343 *318 *315 *294 *294 *294	A =	*379 *403 *391 *384 *372 *360 *350 *341 *336 *331 *326 *321 *333 *362 *326 *321 *333 *362 *326 *326 *326 *326 *326 *326	*288 *276 *293 *300 *297 *307 *307 *317 *314 *331 *348 *379 *410 *461 *480 *497	. 321 . 338 . 345 . 353 . 345 . 345 . 336 . 324 . 312 . 302 . 307 . 314 . 338	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	. 410 .384 .405 .453 .547 .461 .223 .242 .223 .2240 .425 .379 .360 .379 .427 .581 .221 .223
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -3.750 -6.25 -3.750 -3.750 -3.750 -3.750 -3.750 -3.750 -3.750 -3.750 -3.750	002 005 .002 .010 .216 .300 .305 .313 .323 .370 .318 .357 .325 .298 .290 .300 .300 .305	*007 *005 *012 *037 *263 *313 *325 *377 *328 *348 *333 *320 *315 *298 *298 *333 *353	*015 *015 *040 *266 *333 *345 *330 *343 *343 *343 *343 *315 *294 *294 *294 *294 *314 *346 *346 *347	A= :: .006 .152 .320 .330 .330 .320 .220 .320 .337 .298 .298 .314 .333 .349 .995	*379 *403 *391 *384 *372 *360 *350 *343 *341 *336 *326 *321 *333 *326 *321 *333 *362 *389 *420 *461 *516	*288 *276 *293 *300 *297 *307 *307 *314 *311 *348 *379 *410 *480 *497 *516	. 321 . 338 . 345 . 353 . 345 . 345 . 345 . 324 . 312 . 302 . 307 . 314 . 338	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 410 .384 .405 .453 .547 .461 .2233 .242 .233 .242 .233 .245 .379 .360 .391 .427 .521 .581 .581 .581
-5.500 -6.500 -6.500 -6.500 -3.500 -3.500 -2.750 -2.500 -2.750 -1.750 -1.500 -1.750 -1.250 -3.750 -3	002 005 002 016 300 305 313 323 370 318 357 325 298 290 300 325 343 343 343 3447 447	.007 .005 .012 .037 .263 .313 .325 .377 .328 .348 .333 .320 .315 .298 .298 .298 .333 .353 .412	*015 *015 *040 *266 *333 *345 *3343 *343 *343 *343 *318 *294 *294 *291 *346 *401 *476 *437	A= :	15° 4379 403 4991 4384 4372 2360 3343 3341 4336 4331 4326 4321 4333 4362 4389 4461 4516 4521	*288 *276 *293 *300 *297 *307 *307 *314 *311 *348 *379 *410 *480 *497 *516 *516	. 321 . 345 . 345 . 353 . 345 . 345 . 345 . 324 . 312 . 302 . 302 . 307 . 318 . 318 . 386 . 465	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 461 . 233 . 243 . 223 . 223 . 240 . 391 . 427 . 521 . 521 . 521 . 521 . 521 . 521
-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.750 -1.500 -7.750 -6.25 -5.000 -3.75 -2.500 -3.75 -2.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500	002 005 .002 .010 .216 .300 .305 .313 .323 .370 .318 .357 .325 .298 .290 .300 .300 .305 .300 .305 .343 .343 .344 .3447	.007 .005 .005 .012 .037 .263 .313 .325 .377 .328 .348 .333 .320 .315 .298 .290 .298 .333 .353 .412	*015 *015 *040 *266 *333 *345 *330 *343 *343 *343 *343 *318 *315 *294 *294 *291 *3146 *401 *437	A= :: .006 .152 .320 .330 .330 .320 .220 .220 .327 .320 .327 .320 .327 .327 .327 .328 .349 .349 .349 .349 .349 .349 .349	*379 *403 *391 *384 *372 *360 *350 *341 *336 *331 *326 *321 *333 *362 *321 *333 *362 *389 *420 *461 *516 *521 *480	*288 *276 *293 *300 *297 *307 *307 *314 *311 *348 *379 *410 *480 *497 *516 *516	. 321 . 338 . 345 . 353 . 345 . 345 . 345 . 324 . 312 . 302 . 307 . 314 . 338 . 386 . 465 . 451	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 243 . 223 . 223 . 223 . 223 . 2425 . 379 . 360 . 391 . 427 . 521 . 521 . 521 223 . 223
-5.500 -6.500 -6.500 -6.500 -6.500 -3.500 -3.500 -2.750 -2.500 -2.750 -1.750 -1.500 -1.750 -1.250 -1.750 -1.250	002 005 002 010 216 300 305 313 323 370 318 357 325 298 290 300 325 343 390 344 344 241 226	.007 .005 .012 .037 .263 .313 .325 .377 .328 .348 .333 .320 .315 .298 .298 .298 .333 .412 .457	**************************************	A= :: .006 .152 .202 .353 .330 .320 .220 .320 .320 .320 .320 .32	15° 1379 403 403 191 384 372 360 4350 334 331 326 326 321 338 4420 461 451 480	*288 *276 *293 *300 *297 *307 *307 *314 *311 *348 *379 *410 *480 *497 *516 *516	. 321 . 338 . 345 . 353 . 345 . 345 . 345 . 324 . 312 . 302 . 307 . 314 . 338 . 386 . 465 . 451	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 243 . 223 . 223 . 223 . 223 . 2425 . 379 . 360 . 391 . 427 . 521 . 521 . 521 223 . 223
-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.750 -1.500 -7.750 -6.25 -5.000 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -3.	002 005 005 005 	.007 .005 .012 .037 .263 .313 .325 .377 .328 .348 .333 .320 .315 .298 .298 .298 .298 .333 .353 .412	*015 *015 *025 *026 *333 *345 *330 *343 *343 *343 *343 *318 *315 *294 *291 *314 *314 *314 *315 *315 *315 *316 *317 *317 *317 *317 *317 *317 *317 *317	A= .006 .152 .320 .330 .330 .320 .220 .220 .307 .220 .317 .298 .314 .333 .349 .995 .476 .450 .207 .233	#379 #403 #391 #384 #372 #360 #350 #341 #331 #326 #321 #333 #362 #326 #326 #333 #362 #362 #362	*288 *276 *293 *300 *297 *307 *307 *317 *314 *331 *348 *379 *410 *480 *497 *516 *516	. 321 . 338 . 345 . 353 . 345 . 345 . 345 . 324 . 312 . 307 . 314 . 338 . 366 . 465 . 451	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 243 . 223 . 223 . 223 . 223 . 2425 . 379 . 360 . 391 . 427 . 521 . 521 . 521 223 . 223
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.750 -2.500 -1.750 -1.500 -1.250 -1.750 -1.250 -1	002005 .002 .010 .216 .300 .305 .313 .323 .370 .318 .357 .325 .298 .290 .300 .300 .300 .305 .343 .390 .487 .447	.007 .005 .005 .012 .037 .263 .313 .325 .377 .328 .348 .333 .320 .315 .290 .298 .298 .333 .315 .298 .298 .298 .333 .412	**************************************	A =	*379 *403 *391 *384 *372 *350 *343 *341 *336 *326 *321 *333 *362 *321 *333 *362 *321 *333 *362 *321 *333 *362 *321 *344 *350 *326 *321 *333 *362 *321 *333 *362 *362 *362 *362 *362 *362 *362	*288 *276 *293 *3002 *3000 *297 *307 *307 *314 *331 *348 *348 *410 *4497 *516 *485	. 321 . 338 . 345 . 345 . 345 . 345 . 345 . 324 . 312 . 302 . 307 . 314 . 338 . 386 . 465 . 451 238 218 226	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 243 . 223 . 223 . 223 . 223 . 2425 . 379 . 360 . 391 . 427 . 521 . 521 . 521 223 . 223
-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.750 -1.500 -7.750 -6.25 -5.000 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -3.	002 005 005 005 	.007 .005 .005 .012 .037 .263 .313 .325 .377 .328 .348 .333 .329 .315 .298 .298 .298 .298 .333 .353 .412 .457	*015 *015 *040 *266 *333 *345 *330 *343 *343 *343 *318 *215 *294 *294 *291 *314 *346 *401 *476 *437	A= .006 .152 .320 .330 .320 .220 .220 .327 .228 .331 .349 .298 .298 .298 .298 .298 .298 .298 .29	15° 1379 1403 1391 1384 1372 1360 1350 1341 1336 1321 1326 1321 1326 1321 1326 1321 1362 1362 1362 1362 1362 1480 -1209 -1209 -1209 -1214	*288 *276 *273 *300 *297 *307 *307 *307 *314 *331 *348 *379 *410 *461 *480 *497 *516 *516 *516	. 321 . 338 . 345 . 353 . 345 . 345 . 3345 . 324 . 312 . 302 . 307 . 314 . 338 . 346 . 465 . 451 - 233 - 228 - 228 - 223	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 243 . 223 . 223 . 223 . 223 . 2425 . 379 . 360 . 391 . 427 . 521 . 521 . 521 223 . 223
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.750 -1.250 -1	002005005002016	.007 .005 .005 .012 .037 .263 .313 .325 .377 .328 .348 .333 .333 .320 .315 .298 .290 .298 .333 .412 .457 .233 .243 .231 .238 .238 .238 .238 .238 .238	*015 *015 *040 *266 *333 *345 *330 *343 *343 *343 *343 *315 *294 *294 *291 *314 *346 *347 *347 *348 *347 *348 *349	A =	*379 *403 *391 *384 *372 *360 *350 *343 *341 *336 *326 *321 *333 *362 *321 *333 *362 *321 *389 *420 *461 *516 *521 *480 -209 -209 -214 *211	*288 *276 *293 *3002 *3000 *297 *307 *307 *307 *314 *331 *348 *379 *410 *461 *480 *497 *516 *516 *485	. 321 . 338 . 345 . 353 . 345 . 345 . 345 . 336 . 324 . 312 . 302 . 307 . 314 . 338 . 465 . 451 218 228 228 229 229	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 243 . 223 . 223 . 223 . 223 . 2425 . 379 . 360 . 391 . 427 . 521 . 521 . 521 223 . 223
-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.250	002 005 .002 .010 .216 .300 .305 .313 .323 .370 .318 .357 .325 .298 .290 .300 .325 .343 .390 .487 .447	.007 .005 .005 .012 .037 .263 .313 .325 .377 .328 .348 .333 .329 .315 .298 .298 .298 .298 .333 .353 .412 .457	*015 *015 *040 *266 *333 *345 *330 *343 *343 *343 *318 *215 *294 *294 *291 *314 *346 *401 *476 *437	A= .006 .152 .320 .330 .320 .220 .320 .327 .220 .327 .228 .333 .349 .995 .476 .450 .223 .223 .223 .223 .229	15° 1379 1403 1391 1384 1372 1360 1350 1341 1336 1321 1326 1321 1326 1321 1326 1321 1362 1362 1362 1362 1362 1480 -1209 -1209 -1209 -1214	*288 *276 *273 *300 *297 *307 *307 *307 *314 *331 *348 *379 *410 *461 *480 *497 *516 *516 *516	. 321 . 338 . 345 . 353 . 345 . 345 . 345 . 324 . 312 . 307 . 314 . 338 . 3465 . 451 - 233 . 465 . 451	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 243 . 223 . 223 . 223 . 223 . 2425 . 379 . 360 . 391 . 427 . 521 . 521 . 521 223 . 223
-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.250	002005005002016	.007 .005 .005 .012 .037 .263 .313 .325 .377 .328 .348 .333 .320 .315 .290 .298 .333 .353 .412 .457 .238 .243 .243 .238 .238	*015 *015 *040 *266 *333 *345 *333 *343 *343 *343 *343 *318 *315 *294 *291 *316 *401 *476 *437 *223 *246 *2246 *2243 *2243 *2243 *2243	A =	15° 4379 403 4991 4384 4372 2360 2350 3343 3341 4336 4321 4332 4362 4389 4420 4461 4516 4521 4480	*288 *276 *273 *300 *297 *307 *307 *317 *314 *331 *348 *379 *461 *480 *497 *516 *516 *516 *516 *516 *516 *516 *516	. 321 . 338 . 345 . 353 . 345 . 345 . 345 . 336 . 324 . 312 . 302 . 307 . 314 . 338 . 3465 . 465 . 451 . 228 . 228 . 228 . 229 . 209 . 182 . 168	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 461 . 233 . 243 . 223 . 223 . 240 . 391 . 427 . 521 . 521 . 521 . 521 . 521 . 521
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -1.750 -1.500 -1.750 -1.250 -1	002005005005005	.007 .005 .005 .012 .037 .263 .313 .325 .377 .328 .348 .333 .320 .315 .298 .298 .298 .333 .353 .412 .457 .238 .412 .457	*015 *015 *040 *266 *333 *345 *343 *343 *343 *343 *315 *294 *294 *291 *314 *401 *476 *437 *239 *246 *223 *2217 *227 *227 *227 *227 *227 *227 *22	A =	*379 *403 *391 *384 *372 *360 *350 *343 *331 *326 *321 *333 *362 *321 *333 *362 *321 *362 *321 *362 *321 *362 *321 *362 *321 *362 *321 *362 *321 *362 *321 *362 *321 *362 *321 *362 *321 *362 *389 *420 *461 *516 *521 *480	*288 *276 *293 *3002 *3000 *297 *307 *307 *314 *331 *348 *379 *410 *461 *480 *497 *516 *485	. 321 . 338 . 345 . 353 . 345 . 345 . 345 . 324 . 312 . 307 . 314 . 338 . 3465 . 451 - 233 . 465 . 451	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 461 . 233 . 243 . 223 . 223 . 240 . 391 . 427 . 521 . 521 . 521 . 521 . 521 . 521
-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -1.750 -1.500 -1.250 -1.000 -750 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75	002005 .002 .010 .216 .300 .305 .313 .323 .370 .318 .357 .325 .298 .290 .300 .325 .343 .390 .487 .447246233226191 .320134	**************************************	*015 *015 *040 *266 *333 *345 *333 *343 *343 *343 *343 *318 *315 *294 *291 *314 *346 *401 *476 *437 *2246 *2247 *2	A= .006 .152 .320 .330 .320 .220 .320 .337 .220 .327 .228 .298 .298 .298 .298 .298 .298 .298	15° 4379 403 4991 4384 4372 350 3443 4341 4336 4321 4326 4321 4333 4362 4461 4516 4521 480 -209 -209 -214 -211 -211 -211 -211	*288 *276 *293 *3002 *3000 *297 *307 *307 *314 *331 *348 *379 *410 *461 *480 *497 *516 *516 *516 *516 *516 *516 *516 *516	. 321 . 338 . 345 . 353 . 345 . 345 . 345 . 336 . 324 . 312 . 302 . 307 . 314 . 338 . 386 . 465 . 451 . 228 . 228 . 228 . 229 . 168 . 168 . 127	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 461 . 233 . 243 . 223 . 223 . 240 . 391 . 427 . 521 . 521 . 521 . 521 . 521 . 521
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.2500 -1.2500	002005 .002 .010 .216 .300 .305 .313 .323 .370 .318 .357 .325 .298 .290 .300 .300 .325 .343 .390 .487 .4472242262332262261311070097	.007 .005 .005 .0012 .037 .263 .313 .325 .377 .328 .348 .333 .320 .315 .298 .290 .298 .298 .333 .315 .298 .298 .298 .298 .298 .298 .298 .298	*015 *015 *026 *033 *345 *333 *343 *343 *343 *343 *343 *343 *343 *343 *343 *343 *343 *343 *343 *343 *343 *344 *318 *315 *294 *291 *314 *346 *401 *476 *437 *223 *224 *224 *224 *224 *224 *224 *225 *226 *227 *228 *221 *228 *229 *221 *221 *221 *222 *221 *222 *222 *223 *224 *223 *224 *224 *225 *226 *227 *228 *227 *228 *229 *221 *228 *229 *221 *221 *221 *222 *222 *223 *224 *224 *223 *224 *225 *226 *227 *228 *229 *221 *221 *221 *222 *223 *224 *224 *225 *227 *228 *227 *228 *229 *221 *221 *221 *222 *223 *224 *224 *225 *227 *228 *227 *228 *227 *228 *229 *221 *221 *221 *222 *222 *223 *224 *224 *225 *227 *228 *227 *228 *229 *221 *221 *222 *223 *224 *227 *228 *229 *221 *221 *222 *222 *223 *224 *224 *225 *227 *228 *227 *228 *227 *228 *227 *228 *227 *228 *227 *228 *227 *228 *227 *228 *227 *228 *227 *228 *227 *228 *227 *228 *227 *228 *227 *228 *228 *229 *227 *228 *228 *229 *229 *220	A =	*379 *403 *391 *384 *372 *360 *350 *341 *336 *331 *326 *321 *333 *362 *321 *333 *362 *321 *389 *420 *461 *516 *521 *480 -*209 -*209 -*209 -*211 -*211 -*211 -*219 -*199	*288 *276 *273 *3002 *3002 *307 *307 *317 *314 *331 *348 *379 *410 *480 *497 *516 *516 *516 *516 *216 -216 -214 -216 -214 -2216 -2214 -2216	. 321 . 338 . 345 . 353 . 345 . 345 . 334 . 312 . 302 . 307 . 318 . 386 . 451 - 218 - 228 - 229 - 182 -	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 243 . 223 . 223 . 223 . 223 . 2425 . 379 . 360 . 391 . 427 . 521 . 521 . 521 223 . 223
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.750 -1.750 -1.500 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1	002005005002016	.007 .005 .0012 .037 .263 .313 .325 .377 .328 .348 .333 .320 .315 .298 .298 .298 .393 .353 .412 .457 .231 .238 .231 .238 .231 .238 .231 .238 .243 .231 .238 .243 .243 .243 .243 .244 .243 .244 .244	**************************************	A= .006 .152 .320 .330 .330 .320 .220 .327 .320 .337 .298 .298 .298 .298 .298 .298 .298 .298	15° 403 403 491 4384 4372 4360 4350 4341 4336 4331 4326 4321 4333 4362 4389 4420 461 4516 4521 480 -209 -209 -214 -211 -211 -211 -211 -211 -211 -211	*288 *276 *273 *302 *300 *297 *307 *317 *311 *331 *348 *379 *410 *480 *4516 *516 *516 *485	. 321 . 338 . 345 . 353 . 345 . 345 . 345 . 324 . 312 . 302 . 307 . 314 . 338 . 386 . 465 . 451 218 228 229 229 182 186 18	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 461 . 233 . 243 . 223 . 223 . 240 . 391 . 427 . 521 . 521 . 521 . 521 . 521 . 521
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.250 -1	002005 .002 .010 .216 .300 .305 .313 .323 .370 .318 .357 .325 .298 .290 .300 .325 .343 .390 .447224226233226206134117104097087007	.007 .005 .005 .012 .037 .263 .313 .325 .377 .328 .333 .333 .333 .320 .315 .298 .298 .298 .298 .333 .353 .412 .457 .233 .231 .231 .231 .231 .231 .231 .231	*015 *015 *026 *333 *345 *330 *343 *343 *343 *343 *343 *318 *315 *294 *294 *291 *314 *401 *476 *437 *223 *224 *224 *221 *224 *224 *221 *226 *224 *221 *226 *227 *226 *227 *228 *229 *221 *221 *221 *221 *221 *221 *222 *221 *221 *222 *221 *221 *222 *221 *222 *221 *222 *221 *222 *223 *221 *221 *222 *221 *222 *222 *222 *223 *224 *223 *224 *224 *225 *226 *227 *228 *229 *221 *221 *221 *222 *221 *222 *222 *223 *221 *221 *222 *223 *221 *223 *224 *221 *221 *222 *223 *221 *221 *222 *223 *224 *221 *221 *222 *223 *224 *221 *221 *222 *223 *224 *221 *224 *225 *227 *228 *229 *229 *221 *221 *221 *222 *223 *224 *224 *225 *227 *228 *229 *229 *221 *220 *221 *222 *223 *224 *224 *225 *227 *227 *228 *229 *229 *229 *221 *220 *221 *221 *222 *222 *223 *224 *224 *225 *227 *227 *228 *229 *229 *220 *220 *220 *221 *220 *221 *220 *221 *220 *221 *220 *221 *220 *221 *220 *221 *220 *221 *220 *221 *220 *221 *220 *221 *220 *200	A =	#379 #403 #391 #384 #372 #360 #350 #341 #336 #321 #326 #321 #333 #362 #326 #321 #333 #362 #326 #321 #333 #362 #321 #333 #362 #362 #362 #362 #362 #362 #362	*288 *276 *293 *300 *297 *307 *307 *307 *314 *331 *348 *379 *410 *461 *480 *497 *516 *516 *216 *216 *214 *2202 *209 *2211 *2211 *2211	. 321 . 338 . 345 . 353 . 345 . 345 . 336 . 324 . 312 . 307 . 318 . 386 . 465 . 451 . 228 . 228 . 228 . 228 . 229 . 182 . 182 . 192 . 193 . 193	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 461 . 233 . 243 . 223 . 223 . 240 . 391 . 427 . 521 . 521 . 521 . 521 . 521 . 521
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.750 -1.500 -1.750 -1.500 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1	0020050050050050050050163003053133233703183573252982903003003253433904472412262462262262262262191320134117104097087057	.007 .005 .0012 .037 .263 .313 .325 .377 .328 .348 .333 .320 .315 .298 .298 .298 .353 .412 .457 .231 .231 .243 .243 .221 .231 .238 .231 .243 .243 .2164 .217 .221 .231 .231 .231 .231 .231 .243 .243 .244 .243 .244 .244 .244 .244	**************************************	A= .006 .152 .202 .353 .330 .320 .220 .320 .320 .320 .320 .32	15° 1379 1403 1911 1384 1372 1360 1350 1341 1336 1326 1326 1326 1321 1333 1326 1321 1336 1321 1331 1	-288 -276 -293 -3002 -3007 -297 -297 -307 -314 -331 -331 -331 -348 -410 -461 -480 -497 -516 -216 -216 -216 -216 -2216 -209 -209 -209 -211 -2211	. 321 . 338 . 345 . 353 . 345 . 345 . 336 . 324 . 312 . 307 . 318 . 386 . 465 . 451 . 228 . 228 . 228 . 228 . 229 . 182 . 182 . 192 . 193 . 193	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 243 . 223 . 223 . 223 . 223 . 2425 . 379 . 360 . 391 . 427 . 521 . 521 . 521 . 223 . 223
-5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.250 -1.000 -7.50 -1.250 -1.	002005005005005005005016300305313323370318357325298290300305343390447241226246233226246233226246233226117104097087	.007 .005 .0012 .037 .263 .3113 .325 .377 .328 .348 .333 .329 .315 .298 .298 .298 .333 .353 .412 .457 .233 .243 .243 .243 .243 .243 .243 .243	*015 *015 *026 *333 *345 *333 *343 *343 *343 *343 *318 *315 *294 *294 *291 *314 *346 *401 *476 *437 *223 *224 *224 *224 *221 *224 *221 *223 *224 *221 *223 *224 *221 *223 *224 *221 *223 *221 *223 *221 *223 *221 *223 *221 *223 *221 *223 *221 *223 *221 *223 *221 *223 *221 *223 *221 *223 *221 *223 *221 *223 *221 *223 *224 *223 *221 *223 *221 *223 *221 *223 *221 *223 *221 *223 *221 *223 *224 *223 *224 *225 *226 *227 *227 *228 *227 *228 *227 *228 *227 *228 *229 *221 *221 *221 *222 *223 *224 *225 *227 *228 *229 *229 *220 *221 *220 *221 *221 *222 *223 *224 *225 *226 *227 *227 *228 *229 *229 *220 *220 *220 *221 *220 *221 *222 *223 *224 *225 *226 *227 *228 *229 *229 *220 *200	A =	15° 4379 403 4391 4384 4372 350 341 4336 331 4326 4326 4326 4333 4362 4461 4516 4521 4480 2092092142112112112111199199180173154130113	*288 *276 *273 *3002 *3007 *307 *307 *307 *314 *331 *348 *379 *410 *480 *497 *516 *516 *516 *516 *214 *2216 *2216 *2216 *2216 *2216 *2211	. 321 . 338 . 345 . 353 . 345 . 345 . 336 . 324 . 312 . 307 . 318 . 386 . 465 . 451 . 228 . 228 . 228 . 228 . 229 . 182 . 182 . 192 . 193 . 193	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 243 . 223 . 223 . 223 . 223 . 2425 . 379 . 360 . 391 . 427 . 521 . 521 . 521 . 223 . 223
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.750 -1.500 -1.750 -1.500 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1	0020050050050050050050163003053133233703183573252982903003003253433904472412262462262262262262191320134117104097087057	.007 .005 .0012 .037 .263 .313 .325 .377 .328 .348 .333 .320 .315 .298 .298 .298 .353 .412 .457 .231 .231 .243 .243 .221 .231 .238 .231 .243 .243 .2164 .217 .221 .231 .231 .231 .231 .231 .243 .243 .244 .243 .244 .244 .244 .244	**************************************	A= .006 .152 .202 .353 .330 .320 .220 .320 .320 .320 .320 .32	15° 1379 1403 1911 1384 1372 1360 1350 1341 1336 1326 1326 1326 1321 1333 1326 1321 1336 1321 1331 1	-288 -276 -293 -3002 -3007 -297 -297 -307 -314 -331 -331 -331 -348 -410 -461 -480 -497 -516 -216 -216 -216 -216 -2216 -209 -209 -209 -211 -2211	. 321 . 338 . 345 . 353 . 345 . 345 . 336 . 324 . 312 . 307 . 318 . 386 . 465 . 451 . 228 . 228 . 228 . 228 . 229 . 182 . 182 . 192 . 193 . 193	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 410 . 384 . 405 . 453 . 547 . 243 . 223 . 223 . 223 . 223 . 2425 . 379 . 360 . 391 . 427 . 521 . 521 . 521 . 223 . 223

Table 19 Continued
Plate and Spoiler Pressure Coefficients Configuration 2 M= 2.01 R= 0.12 x106

				Plate				Spoi	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	Total Total
				Λ=	30 °				
	1								
-6.000 -5.500	002	005	•025	•003 •152	•353 •372	·293 •240		1 2	• 326 • 276
-5.000	•052	•027	•151	•314	.357	•226		3	. 245
-4.500	•241	• 248	•318	•346	•329	•209		4	.261
-4.000	•283	•293	•338	•314	.290	•199	• 276	5	.305
-3.500	•290	•290	•330	•298	•252	•190	•276	6	• 391
-3.000 -2.750	•221	• 283	•300	• 269	•216	•185	• 276	7	• 297
-2.500	•261 •263	• 338	•303	•249	•218	•185	• 276	8 9	211
-2.250	308	•278 •285	• 288 • 266	•210 •210	•204 •192	•190 •204	•281	10	226 218
-2.000	•231	• 256	•241	•191	•185	•211	•271	11	228
-1.750	•276	•238	•231	•184	•182	•228	• 264	12	.338
-1.500	•216	•211	•199	•181	•187	•249	• 261	13	• 309
-1.250	•169	•194	•184	• 165	•194	• 276	• 249	14	• 283
-1.000	•171	•179	•171	•181	•209	•307	• 240	15	•314
750 625	•179 •181	•179 •179	•181 •181	•191 •214	• 242 • 264	•357	•230 •235	16	• 341 • 384
500	.209	194	•197	.249	•295	•398	• 242	18	• 369
375	•223	• 228	•236	•291	•343	•391	• 261	19	202
250	•273	• 283	•298	•372	•391	•381	•307	20	194
125	• 355		•353		•381		•379	21	180
•000	•335	• 345	•333	• 336	•357	•357	• 360	22	178
• 250	226	216	223	194			209	- 2	
•375	223	218	226	210	209		194		
•500	228	218	226	214	202		206		
•750	233	223	204	188	194	209	206		
1.000	218	025	214	-,201	197	194	211		
1.500	201 184	-•181 -•156	-•184 -•175	192 190	-•197 -•204	185 187	192 180		
1.750	•323	137	162	175	194	182	161		
2.000	144	122	013	166	187	175	144		
2.250	124	117	100	149	185	175	132	THE PRESENCE	
2.500	099	099	094	142	175	175	118		
2.750	079	084	107	118	170	182	103		
3.000	067	067	097	108	163	199	091		
3.500	050	052	042	039	-•154 -•137	194 182			
4.500	020	025	055	062	120	190			
5.000	015	•000	042	050	108	182			
5.500	020	•012	039	041	094	175			
6.000	007	•010	036	029	086	156			
	Us III			Λ=	45°				
-6.000	015	•007	•017	•003	•038	•360		1	• 326
-5.500	012	•000	•007	.000	.309	•302		2	.319
-5.000	*074	•010	•027	• 171	•369	•216		3	•300
-4.500	•201	•199	• 243	•291	•355	•192		4	• 264
-4.000	•231	• 253	• 283	• 278	•297	•163	• 247	5	• 293
-3.500	• 236	• 268	• 288	• 269	•235	•149	•238	6	• 379
-3.000	•139	• 246	• 253	•210	•197	•182	• 221	7	• 249
-2.750 -2.500	•199	•283 •204	•241	•191 •171	•185	•211 •245	• 204 • 197	8 9	199 211
-2.250		•194	•189	159	•173 •163	• 285	•173	10	-0211
									204
-2.000	•216		*171	0 1 4 2	•158				204 218
-2.000 -1.750	•134 •174	•171 •151	•171 •161	•142 •123	•158	•312	•154 •137	11	204 218 .214
-2.000 -1.750 -1.500	*134 *174 *114	•171	•171 •161 •124		•158 •168 •182	•312	•154	11	218
-2.000 -1.750 -1.500 -1.250	*134 *174 *114 *097	•171 •151 •127 •117	•161 •124 •117	•123 •133 •139	•158 •168 •182 •218	•312 •355 •384 •408	•154 •137 •113 •098	11 12 13 14	218 .214 .185 .161
-2.000 -1.750 -1.500 -1.250 -1.000	*134 *174 *114 *097 *087	•171 •151 •127 •117 •117	•161 •124 •117 •123	•123 •133 •139 •162	•158 •168 •182 •218 •271	•312 •355 •384 •408 •432	•154 •137 •113 •098 •094	11 12 13 14 15	218 .214 .185 .161 .170
-2.000 -1.750 -1.500 -1.250 -1.000 750	*134 *174 *114 *097 *087 *122	•171 •151 •127 •117 •117 •141	•161 •124 •117 •123 •162	.123 .133 .139 .162 .226	•158 •168 •182 •218 •271 •336	• 312 • 355 • 384 • 408 • 432 • 434	•154 •137 •113 •098 •094 •086	11 12 13 14 15 16	218 .214 .185 .161 .170 .209
-2.000 -1.750 -1.500 -1.250 -1.000 750 625	134 174 114 097 087 122	•171 •151 •127 •117 •117 •141 •181	•161 •124 •117 •123 •162 •201	• 123 • 133 • 139 • 162 • 226 • 269	•158 •168 •182 •218 •271 •336 •365	•312 •355 •384 •408 •432 •434 •425	• 154 • 137 • 113 • 098 • 094 • 086 • 098	11 12 13 14 15 16	- 218
-2.000 -1.750 -1.500 -1.250 -1.000 750 625 500	*134 *174 *114 *097 *087 *122 *146 *213	•171 •151 •127 •117 •117 •141 •181 •204	•161 •124 •117 •123 •162 •201 •249	.123 .133 .139 .162 .226 .269	.158 .168 .182 .218 .271 .336 .365	• 312 • 355 • 384 • 408 • 432 • 434 • 425 • 408	•154 •137 •113 •098 •094 •086 •098 •113	11 12 13 14 15 16 17 18	- 218
-2.000 -1.750 -1.500 -1.250 -1.000 750 625 500 375	•134 •174 •114 •097 •087 •122 •146 •213 •261	•171 •151 •127 •117 •117 •141 •181 •204 •283	•161 •124 •117 •123 •162 •201 •249 •301	.123 .133 .139 .162 .226 .269 .314	.158 .168 .182 .218 .271 .336 .365 .393	.312 .355 .384 .408 .432 .434 .425 .408	•154 •137 •113 •098 •094 •086 •098 •113 •134	11 12 13 14 15 16 17 18	- 218
-2.000 -1.750 -1.500 -1.250 -1.000 750 625 500 375 250	*134 *174 *114 *097 *087 *122 *146 *213 *261 *318	•171 •151 •127 •117 •117 •141 •181 •204	•161 •124 •117 •123 •162 •201 •249 •301 •333	.123 .133 .139 .162 .226 .269	.158 .168 .182 .218 .271 .336 .365 .393 .403	• 312 • 355 • 384 • 408 • 432 • 434 • 425 • 408	• 154 • 137 • 113 • 098 • 094 • 086 • 098 • 113 • 134 • 185	11 12 13 14 15 16 17 18	- 218
-2.000 -1.750 -1.500 -1.250 -1.000 750 625 500 375	•134 •174 •114 •097 •087 •122 •146 •213 •261	•171 •151 •127 •117 •117 •141 •181 •204 •283	•161 •124 •117 •123 •162 •201 •249 •301	.123 .133 .139 .162 .226 .269 .314	.158 .168 .182 .218 .271 .336 .365 .393	.312 .355 .384 .408 .432 .434 .425 .408	•154 •137 •113 •098 •094 •086 •098 •113 •134	11 12 13 14 15 16 17 18 19 20	- 218
-2.000 -1.750 -1.500 -1.250 -1.000 -750 625 500 375 250 125 .000	*134 *174 *114 *097 *087 *122 *146 *213 *261 *318 *323 *308	•171 •151 •127 •117 •117 •141 •181 •204 •283 •343	.161 .124 .117 .123 .162 .201 .249 .301 .333 .324 .307	•123 •133 •139 •162 •226 •269 •314 •359 •401	.158 .168 .182 .218 .271 .336 .365 .393 .403 .379 .365	.312 .355 .384 .408 .432 .434 .425 .408 .386	154 137 113 098 094 086 098 113 134 185 240	11 12 13 14 15 16 17 18 19 20 21	- 218
-2.000 -1.750 -1.500 -1.250 -1.250 -1.000 750 625 500 375 250 125	*134 *174 *114 *097 *087 *122 *146 *213 *261 *318 *323 *308	171 151 127 117 117 1181 204 283 343 318	•161 •124 •117 •123 •162 •201 •249 •301 •333 •324 •307	.123 .133 .139 .162 .226 .269 .314 .359 .401	158 168 182 218 271 336 365 393 403 379 365 345	.312 .355 .384 .408 .432 .434 .425 .408 .386	.154 .137 .113 .098 .094 .086 .098 .113 .134 .185 .240 .228	11 12 13 14 15 16 17 18 19 20 21	- 218
-2:000 -1:750 -1:500 -1:500 -1:250 -1:000 -:750 -:625 -:500 -:375 -:250 -:125 :000	.134 .174 .114 .097 .087 .122 .146 .213 .261 .318 .323 .308	171 1251 127 117 117 1141 181 204 283 343 318	.161 .124 .117 .123 .162 .201 .249 .301 .333 .324 .307	•123 •133 •139 •162 •226 •269 •314 •359 •401	158 168 182 218 271 336 365 393 403 379 345 345	.312 .355 .384 .408 .432 .434 .425 .408 .386	154 137 113 098 094 086 098 113 134 185 240	11 12 13 14 15 16 17 18 19 20 21	- 218
-2:000 -1:750 -1:500 -1:500 -1:250 -1:000 -:750 -:625 -:500 -:375 -:250 -:125 -:000	*134 *174 *114 *097 *087 *122 *146 *213 *261 *318 *323 *308 *-221 *-209 *-226 *-236	171 1251 127 117 117 141 181 204 283 343 318	• 161 • 124 • 117 • 123 • 162 • 201 • 249 • 301 • 333 • 324 • 307 • - 204 • - 220 • - 207 • - 191	. 123 . 133 . 139 . 162 . 226 . 269 . 314 . 359 . 401 . 320 178 191 197	158 168 182 271 236 265 365 393 403 279 285 345	*312 *355 *384 *408 *432 *434 *425 *408 *386 *369 *345	.154 .137 .113 .098 .094 .098 .193 .134 .185 .240 .228	11 12 13 14 15 16 17 18 19 20 21	- 218
-2:000 -1:750 -1:500 -1:500 -1:250 -1:000 -750 -:500 -:375 -:250 -:125 -:000 -:375 -:500 -:750 1:000	.134 .174 .114 .097 .087 .122 .146 .213 .261 .318 .323 .308 -221 -229 -226	171 151 127 117 1117 1141 181 204 283 343 318 -206 -209 -221 -032	• 161 • 124 • 117 • 123 • 162 • 201 • 249 • 301 • 333 • 324 • 307 • 204 • 207 • 209 • 201 •	123 133 139 162 226 226 229 314 359 401 320 -178 -191 -197	158 168 182 271 271 336 265 393 403 277 365 345	. 312 . 355 . 384 . 408 . 432 . 434 . 425 . 408 . 386 . 369 . 345	.154 .137 .113 .098 .094 .008 .098 .113 .134 .185 .240 .228 -173 -178 -185 -187	11 12 13 14 15 16 17 18 19 20 21	- 218
-2:000 -1:750 -1:500 -1:500 -1:250 -1:000 -750 -625 -:500 -:375 -:250 -:125 -:000 -:375 -:250 -:375 -:500 -:375 -:	.134 .174 .114 .097 .087 .122 .146 .213 .261 .318 .323 .308	171 151 127 117 117 141 181 204 283 343 318 -206 -206 -209 -221 -032 -184	. 161 .124 .117 .123 .162 .201 .249 .301 .333 .324 .307204220207191207	. 123 . 133 . 139 . 162 . 226 . 269 . 314 . 359 . 401 . 320 178 191 197 184 191 168	158 168 182 218 271 336 365 393 403 379 365 345	.312 .355 .384 .408 .432 .434 .425 .408 .386 .369	.154 .137 .113 .098 .098 .098 .113 .134 .185 .240 .228 173 178 185 185	11 12 13 14 15 16 17 18 19 20 21	- 218
-2.000 -1.750 -1.500 -1.500 -1.250 -1.250 -1.0007506255003752501250002501751251000250	.134 .174 .114 .097 .087 .122 .146 .213 .261 .318 .323 .308 -221 -229 -226 -236	171 151 127 117 117 141 181 204 283 343 318 -206 -209 -221 -032 -184 -161	• 161 • 124 • 117 • 123 • 162 • 201 • 249 • 301 • 333 • 324 • 307 • 204 • 220 • 207 • 191 • 207 • 181 • 162	123 133 139 162 226 229 314 359 401 320 -178 -191 -197 -184 -191	158 168 182 271 336 -265 -393 -403 -379 -365 -345 -1178 -170 -182 -173 -178	.312 .355 .384 .408 .432 .434 .425 .408 .386 .369 .345	.154 .137 .113 .098 .094 .008 .098 .113 .134 .185 .240 .228 -173 -178 -185 -185 -185 -186	11 12 13 14 15 16 17 18 19 20 21	- 218
-2.000 -1.750 -1.500 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -125 -000 -250 -375 -500 -750 1.250 1.500 1.750	.134 .174 .114 .097 .087 .122 .146 .213 .261 .318 .323 .308 .323 .308 .221 .229 .226 .226 .226 .226 .236 .226 .236 .236	171 151 127 117 117 114 181 204 283 343 318 -206 -206 -209 -221 -032 -184 -1156	.161 .124 .117 .123 .162 .201 .249 .301 .333 .324 .307 .204 .220 .207 .191 .207 .181 .162	123 133 139 162 226 229 314 359 401 320 -178 -191 -197 -184 -191 -168 -173 -158	158 168 182 218 271 336 365 393 403 379 365 345 -182 -178 -170 -182 -173 -168	.312 .355 .384 .408 .432 .434 .425 .408 .386 .369 .345	.154 .137 .113 .098 .094 .086 .098 .113 .134 .185 .228 173 178 185 187 180 180	11 12 13 14 15 16 17 18 19 20 21	- 218
-2.000 -1.750 -1.500 -1.250 -1.250 -1.000 -750 -625 -500 -375 -250 -125 -000 250 -375 -125 -125 -125 -125 -125 -125 -125 -12	.134 .174 .114 .097 .087 .122 .146 .213 .261 .318 .323 .308 -221 -22922623b226213 .301 .308	171 1251 127 117 117 1117 1117 1204 283 343 343 318 -206 -206 -209 -221 -032 -184 -161 -156	161 124 117 123 162 201 249 301 333 324 307 -204 -220 -207 -191 -207 -181 -162 -159 -006	123 133 139 1462 226 229 314 359 401 320 -178 -191 -197 -184 -173 -158	158 1168 1182 271 336 265 265 265 345 403 277 265 345 -1178 -1170 -1182 -1171 -1182 -1178 -1183 -1178	.312 .355 .384 .408 .432 .434 .425 .386 .369 .345	.154 .137 .113 .098 .094 .098 .098 .113 .134 .185 .240 .228 -173 -178 -185 -180 -186 -137	11 12 13 14 15 16 17 18 19 20 21	- 218
-2.000 -1.750 -1.500 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -125 -500 -375 -125 -125 -125 -125 -125 -125 -125 -12	.134 .174 .114 .097 .087 .122 .146 .213 .261 .318 .323 .308 221 229 226 236 .2213 .201 .308 213	171 151 127 117 117 114 181 204 283 343 318 -206 -209 -221 -032 -184 -156 -139	.161 .124 .117 .123 .162 .201 .249 .301 .333 .324 .307 .204 .220 .207 .191 .207 .181 .162	123 133 139 162 226 269 314 359 401 320 -178 -191 -197 -184 -191 -168 -173 -158 -146	158 168 182 2218 271 1336 2365 2393 403 2379 2365 3345182170173173178158151	.312 .355 .384 .408 .432 .434 .425 .408 .386 .369 .345	.154 .137 .113 .098 .094 .086 .098 .113 .134 .185 .228 173 178 185 187 180 180	11 12 13 14 15 16 17 18 19 20 21	- 218
-2.000 -1.750 -1.500 -1.500 -1.250 -1.250 -1.000 -750 -625 -500 -375 -250 -125 -000 -250 -1750 -125 -1000 -1750 -1	.134 .174 .114 .097 .087 .122 .146 .213 .261 .318 .323 .308 -221 -22922623b226213 .301 .308	171 1251 127 117 117 1117 1117 1204 283 343 343 318 -206 -206 -209 -221 -032 -184 -161 -156	.161 .124 .117 .123 .162 .201 .249 .301 .333 .324 .307 .204 .220 .207 .191 .207 .181 .162 .159 .006 .120	123 133 139 1462 226 229 314 359 401 320 -178 -191 -197 -184 -173 -158	158 1168 1182 271 336 265 265 265 345 403 277 265 345 -1178 -1170 -1182 -1171 -1182 -1178 -1183 -1178	.312 .355 .384 .408 .432 .434 .425 .408 .386 .369 .345	.154 .137 .113 .098 .094 .086 .098 .113 .134 .185 .240 .228 -173 -178 -185 -187 -180 -180 -186 -186	11 12 13 14 15 16 17 18 19 20 21	- 218
-2.000 -1.750 -1.500 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -1.255 -000 -250 -375 -500 -1.250	.134 .174 .114 .097 .087 .122 .146 .213 .261 .318 .323 .308 -221 -209 -226 -213 -213 -211 -219 -1181 -1169 -1132 -114 -1109	171 1151 127 117 117 1117 1141 181 204 283 343 343 318 -206 -206 -206 -221 -032 -184 -161 -156 -156 -156 -156 -156	.161 .124 .117 .123 .162 .201 .249 .301 .333 .324 .307 .204 .220 .207 .191 .207 .182 .159 .006 .120 .113 .120	123 133 139 162 226 269 314 359 401 320 -178 -191 -197 -184 -191 -168 -173 -158 -146 -125 -101	158 168 182 271 271 336 365 403 279 365 345 -178 -178 -178 -178 -151 -151 -151 -151	.312 .355 .384 .408 .432 .434 .425 .408 .386 .369 .345	.154 .137 .113 .098 .094 .098 .098 .113 .134 .185 .240 .228 -173 -178 -185 -187 -180 -180 -186 -135 -177 -177 -180	11 12 13 14 15 16 17 18 19 20 21	- 218
-2.000 -1.750 -1.500 -1.500 -1.250 -1.250 -1.250 -1.250 -2.250	.134 .174 .114 .097 .087 .122 .146 .213 .261 .318 .323 .308221209226213 .201 .308181 .109132 .114	171 1151 127 117 117 1117 1117 1181 204 283 343 318 -206 -209 -221 -136 -1156 -1156 -139 -124 -097 -079 -065	101 124 117 123 162 201 249 301 333 324 307 -204 -220 -191 -207 -191 -162 -113 -1123 -1120 -049	123 133 139 162 226 226 229 314 359 401 320 -178 -191 -197 -184 -191 -168 -1173 -125 -101 -086 -072	158 168 182 271 1336 265 379 365 403 279 365 345 -1182 -178 -182 -173 -158 -151 -151 -151 -139	.312 .355 .384 .408 .432 .434 .425 .408 .386 .369 .345	.154 .137 .113 .098 .094 .086 .098 .113 .134 .185 .240 .228 -178 -187 -180 -180 -156 -137 -127 -110	11 12 13 14 15 16 17 18 19 20 21	- 218
-2.000 -1.750 -1.500 -1.500 -1.250 -1.000 -750625500375250125000 250375000375000375000375000375300375300375300375300375300375300375300375300375300375300375300375300350035003500350035003500	.134 .174 .114 .097 .087 .122 .146 .213 .261 .318 .323 .308 -221 -209 -226 .226 -213 -201 .308 -181 -169 -132 -114 -109 -092 .005	171 1251 127 117 117 114 1204 283 343 343 318 -206 -209 -221 -032 -1161 -156 -156 -159 -124 -097 -079 -065	. 161 .124 .117 .123 .162 .201 .249 .301 .333 .324 .307 .204 .220 .207 .191 .207 .182 .159 .006 .120 .113 .123 .120 .049	123 133 139 162 226 269 314 359 401 320 -178 -191 -197 -184 -197 -168 -173 -158 -146 -134 -125 -101 -072 -062	158 168 182 218 271 336 265 293 403 279 265 345 -178 -178 -178 -178 -151 -151 -151 -139 -139	.312 .355 .384 .408 .432 .434 .425 .408 .389 .345 .369 .345 .369 .345 .315 .315 .315 .315 .315 .315 .315 .31	.154 .137 .113 .098 .094 .086 .098 .113 .134 .185 .240 .228 -178 -187 -180 -180 -156 -137 -127 -110	11 12 13 14 15 16 17 18 19 20 21	- 218
-2.000 -1.750 -1.500 -1.500 -1.250 -1	.134 .174 .114 .097 .087 .122 .146 .213 .261 .318 .323 .308221229226233 .201 .308221209 .126213 .201 .308181109 .092 .005 .027	171 1151 117 117 117 1117 1117 1141 181 204 283 343 343 318 -206 -209 -221 -139 -1156 -115	161 1124 1117 1123 1162 201 249 301 333 324 307 -204 -220 -191 -207 -191 -162 -113 -1123 -1123 -1120 -049 -0661	123 133 139 162 226 226 229 314 359 401 320 -178 -191 -197 -184 -191 -158 -158 -125 -101 -086 -072 -063	158 168 182 271 1336 265 393 403 279 365 345 -178 -170 -182 -178 -158 -158 -151 -151 -151 -151 -139 -139	.312 .355 .384 .408 .432 .434 .425 .408 .386 .369 .345	.154 .137 .113 .098 .094 .086 .098 .113 .134 .185 .240 .228 -178 -187 -180 -180 -156 -137 -127 -110	11 12 13 14 15 16 17 18 19 20 21	- 218
-2.000 -1.750 -1.500 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -1.25 -000 250 -375 -1.25 -000 -1.25 -000 -1.250 -1.750 -1.250 -1.750 -1.250 -1.7	.134 .174 .114 .097 .087 .122 .146 .213 .261 .318 .323 .308 -221 -209 -226 .226 -213 -201 .308 -181 -169 -132 -114 -109 -092 .005	171 1251 127 117 117 114 1204 283 343 343 318 -206 -209 -221 -032 -1161 -156 -156 -159 -124 -097 -079 -065	. 161 .124 .117 .123 .162 .201 .249 .301 .333 .324 .307 .204 .220 .207 .191 .207 .182 .159 .006 .120 .113 .123 .120 .049	123 133 139 162 226 269 314 359 401 320 -178 -191 -197 -184 -197 -168 -173 -158 -146 -134 -125 -101 -072 -062	158 168 182 218 271 336 265 293 403 279 265 345 -178 -178 -178 -178 -151 -151 -151 -139 -139	.312 .355 .384 .408 .432 .434 .425 .408 .389 .345 .369 .345 .369 .345 .315 .315 .315 .315 .315 .315 .315 .31	.154 .137 .113 .098 .094 .086 .098 .113 .134 .185 .240 .228 -178 -187 -180 -180 -156 -137 -127 -110	11 12 13 14 15 16 17 18 19 20 21	- 218

Table 19 Concluded
Plate and Spoiler Pressure Coefficients

Configuration 2 M= 2+01 R= 0+12 x 10*

	35 L = 134			Plate	1 11201			Spoi	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ= 6	50°				
-6.000	012	012	•002	016	•000	•120		1	• 343
-5.500	025	012 012	•002	010	.005	.281		2	.357
-5.000	015	012	•002	019	•058	• 257		3	• 341
-4.500	010	017	•005	•006	•209	•190		4	• 357
-4.000	•079	•020	•060	•136	•226	•149	•158	5	• 362
-3.500 -3.000	•151 •117	•154 •181	•184 •199	•191 •188	•211 •185	•134 •202	• 166	6 7	036
-2.750	•169	• 248	•204	•175	•163	• 264	•170 •158	8	194
-2.500	•179	•186	.201	•165	•142	•324	•163	9	204
-2.250	•221	•196	•191	•152	•142	•372	•163	10	202
-2.000	•144	•176	•179	•129	•142	•389	•156	11	233
-1.750	•194	•161	•156	•113	•175	•403	•146	12	.254
-1.500	•134	•129	•122	•126	•252	•398	•127	13	• 242
-1.250 -1.000	•107 •112	•129 •134	•117 •159	•152 •246	•321 •355	•396 •384	•110	14	• 240 • 271
750	206	•223	• 269	• 327	•377	•384	•120 •144	16	. 281
625	• 263	•278	•294	.340	•379	•372	•173	17	• 290
500	•318	•313	•311	•340	•377	•372	•194	18	.192
375	•318	• 345	•333	•349	•360	•365	• 226	19	190
250	•325	• 348	•333	• 379	•372	•365	• 240	20	178
125	•345 •256	276	• 336	• 259	• 36 2 • 26 1	257	• 254	21 22	139
•000	•256	• 276	• 256	.239	•201	•257	• 247	22	149
•250	213	204	204	197	105		202		
•375	204	201	204	197 201	185 180		192 192		
• 750	241	209 221	204	188	170	~.182	192		
1.000	236	050	204	-,201	185	170	175		
1.250	228	179	201	192	182	~.163	170		
1.500	218	171	197	206	182	158	156		
1.750	•278	186	191	194	182	146	146		
2.000	184	184	068	182	170	132	149		
2.250	141 087	151 119	-•171 -•159	173 163	166	118	146		
2.750	052	072	159	142	161 166	108	146 142		
3.000	032	032	142	166	154	158	130		
3.500	030	002	042	149	156	178			
4.000	027	•012	023	125	149	161			
4.500	022	•002	006	094	137	199			
5.000	020	002	006	046	127	204			
5.500	042	002 012	013 013	•022	118	190			
8.000	022	012	013		108	185			
				V = .	75°				
-6.000	•005	•007	•017	•006	•026	•017		1	•118
-5.500	•005	•002	•015	.000	.026	.108		2	.118
-5.000	•002	•005	•012	006	•026	.166		3	•118
-4.500	•000	•007	•017	•006	.086	•170	000	4	•110
-4.000	•027	•017	•027	•029	•132	•149	•082	5	• 106
-3.500 -3.000	•060	•065 •092	•077	•097	•149 •137	•125 •125	•074	6 7	106
-2.750	.082	•171	•112	•107	•127	.127	.074	8	142
-2.500	•082	•102	•107	.094	•118	.127	.074	9	149
-2.250	•149	•117	•109	•091	•106	•127	.084	10	149
-2.000	•084	•099	•104	•097	.098	•127	.082	11	175
-1.750	•137	•102	•102	.084	.108	•130	.082	12	.089
-1.500	.084	•092	•077	•078	0115	•130	•082	13	•089
-1.250 -1.000	•065	•092 •087	•074	.078 .091	•118 •125	•130 •130	•074	14	•096
~.750	.089	•097	•100	•104	134	125	•067	16	• 096
625	•092	•104	•100	.110	.132	125	•079	17	.082
500	•132	•104	•097	•100	•132	•125	•079	18	.024
375	•094	•117	•104	•116	•130	•125	•091	19	144
250	•104	•112	•100	•165	•127	•125	•091	20	108
125	•104 •124	•137	•100 •129	•136	•127	•146	•098 •094	21 22	031
.000		•15/		.130	144	.140	.074	2.2	070
• 250	154	132	139	123			151		
• 375	-•139	129	136	126	103		146	11 4 1182 118	
•500	189	154	133	120	098		149	10 8	
.750 1.000	204	166	139 168	120 152	091	086	127 101	With the second	
1.250	114	027	123	156	113	067	058		
1.500	099	•015	084	142	125	024	017		
1.750	•357	•002	055	115	108	•007	•024		
2.000	047	025	•068	089	086	.036	•038		
2.250	025	040	•000	067	055	•043	•031		
2.500	•002	032	.016	046	036	•034	•012		
2.750	•020	030	•006	029	026	•012	•005	The same of	
	•022	022	•006	019	005	098	012		
3.000	.005	•000	•045	007	•034	103 077			
3 • 000 3 • 500		.012							
3 • 00 0 3 • 50 0 4 • 00 0	005	•012	•013						
3.500 4.000 4.500	005	.012	•006	•002	.026	142			
3 • 00 0 3 • 50 0 4 • 00 0	005			•002		142			

Table 20
Plate and Spoiler Pressure Coefficients

Configuration 2 M=2.01 $R=0.30 \times 10^6$

Plate	•30 X10 ⁶
	Spoiler
	7 Row 9 Orifice No.
Λ= 00	
-6.000001002 .009 .010 .327 .30 -5.500 .000001 .011 .223 .343 .30	
-5.500 .000001 .011 .223 .343 .30 -5.000001002 .024 .302 .350 .30	
-4.500 .001 .020 .272 .327 .355 .30	7 4 •401
-4*000 *246 *273 *327 *333 *358 *30 -3*500 *312 *319 *347 *338 *358 *30	
-3.500	
-2.750 .336 .347 .349 .343 .348 .31	6 •338 8 -•263
-2.500 .339 .343 .349 .342 .339 .32 -2.250 .347 .349 .348 .338 .334 .32	
-2.0250 .347 .349 .348 .338 .334 .32 -2.000 .336 .348 .345 .333 .329 .33	6 •344 10 -•263 4 •347 11 -•263
-1.750 .349 .345 .339 .325 .322 .35	0 •344 12 •479
-1.500 .339 .337 .325 .313 .326 .36 -1.250 .327 .327 .313 .309 .333 .39	7 •335 13 •403 6 •321 14 •381
-1.000 a313 a316 a316 a309 a348 a42	6 • 321 14 • 381 5 • 308 15 • 426
-•750 •310 •316 •316 •325 •374 •46	7 •301 16 •498
625	
500 .328 .329 .343 .361 .423 .50 375 .351 .359 .371 .396 .458 .52	
250 4397 4418 450 505 52	4 • 425 20 -• 265
125 .480 .494 .517 .000 .485 .490 .485 .482 .497 .49	8 •520 21 -•265 8 •527 22 -•265
	0 •527 22 -6205
• 250	-•258 -•260
•500 -•268 -•261 -•268 -•269 -•248	267
•750 -•264 -•259 -•264 -•249 -•25	4259
1.00025019425926625425 1.25022522323622825025	3249 224
1.50020419621021524825	
1.75017416718920524325	4174
2.00015314414218923625	
2.25013412214817522625 2.50011610413315520925	
2.75010009012513319825	3097
3.00008907611211719125	3087
3.50006805808109916524 4.00005304607107914324	
4.50004605905612522	
5.00004403305004610321	3
5.50004502804403308520 6.00003702603602407018	
Λ= 15°	
-6.000 .002 .000 .006 .184 .324 .25	2 1 .431
-5·500 •003 - •003 •023 •298 •333 •24	2 .379
-5.000 .003 .006 .227 .314 .338 .23- -4.500 .110 .204 .299 .318 .336 .24-	
-4.000 .271 .281 .309 .317 .331 .25	
-3.500 .297 .295 .315 .313 .326 .266	6 • 522
-3.000 .291 .299 .304 .312 .320 .270	319 7 .432
-2.750	
-2.250 .316 .309 .305 .302 .309 .286	322 10260
-2.000 ·308 ·306 ·306 ·300 ·307 ·28:	
-14750	
	• 303 14 • 346
-1·250 •301 •299 •289 •284 •293 •32:	
-1.250	
-1.250	
-1.250	
-1.250	• 325 19 -• 252
-1.250	• • • • • • • • • • • • • • • • • • •
-1.250	• • • • • • • • • • • • • • • • • • •
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-1.250	**************************************
-1.250	**************************************
-1.250	**************************************
-1.250	**************************************
-1.250	**************************************

Table 20 Continued

Plate and Spoiler Pressure Coefficients

Configuration 2 M= 2.01 R= 0.30 x 10'

				Plate				Spo	iler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ= 30	0				
-6.000	•005	•002	•011	•085	•323	•254		1	•311
-5.500	.016	•007	•090	•287	•332	•215		2	• 250
-5.000	•213	•212	•278	• 305	•320	•192		3	• 222
-4.500	•269	•275	•306	•305	•290	•188		4	• 238
-4.000	•273	•280	•297	•289	•247	•179	• 254	5	• 290
-3.500	.269	•272	•288	•262	•213	•161	254	6	• 366
-3.000	•193	• 263	•264	•228	•189	•158	• 254	7	• 286
-2.750	•256	•260	• 246	•210	•178	•165	• 254	8 9	242
-2.500	• 246	• 243	•230	•193	•170	•173	• 255		252
-2.250	•244	•232	•211	•183	.164	•186	• 249	10	253
-2.000	• 225	•216	• 200	•170	•164	•195	. •248	11	252 .313
-1.750	•220	•200	•185	•166	•163	•211	• 245	12	.274
-1.500	•194	•183	•164	• 159	•167	•227 •250	·239 ·233	14	• 266
-1.250	•171	•169	•155	• 151	•170 •185	•283	•222	15	• 278
-1.000	•153	•157	•153	•153 •162	.218	•330	.212	16	.308
~.750	•154	•150	•152	•177	•239	•350	.215	17	• 350
~.625	157	•153	•159		•273	•372	• 222	18	.340
500	•170	•180	•179 •213	• 205 • 249	•320	•384	•238	19	229
375	•192	•198	•272	•314	•369	•376	•274	20	227
250	•251 •352	•257	•357	• 314	•372		•339	21	226
•000	•345	• 346	•347	•347	•356	•356	•335	22	232
			- 251	242			227		
• 250	249	249	251 254	242 247	228		-,227		
• 375	254	254		251	228		228		
•500	260	254	258 251	247	228	227	227		
• 750	247	249 183	245	247	228	228	226	THE REAL PROPERTY.	
1.000	203	206	223	220	228	224	210		
1.500	185	178	202	206	228	224	189		
1.750	157	155	182	189	222	224	173	The first of the	
2.000	135	134	~.133	175	214	224	151		
2.250	110	117	137	162	208	220	135		
2.500	081	097	117	147	199	220	120	The second second	
2.750	061	086	107	134	190	220	105		
3.000	050	070	~.093	120	180	223	093		
3.500	049	052	062	101	163	218			
4.000	044	032	062	084	145	212			
4.500	037	024	050	067	128	204			
.5.000	033	021	043	057	116	195			
5.500	037	017	~.040	046	104	185			
6.000	035	016	035	039	091	173			
	De lei Peril En			Λ= 4	.5				H 152 1
	•002	- 001	•011	•003	•207	•305		1	• 324
~6.000 ~5.500	•004	001 001	•012	•046	•311	•221		2	.293
~5.000	•192	•103	•170	• 263	•313	•177		3	• 243
		• 245	•275	• 286	•288	•162		4	• 227
				•276	•243	•169	•220	5	
-4.500	• 246		•277						• 269
~4.500 ~4.000	•246	• 256	•277				.211	6	• 343
-4.500 -4.000 -3.500	• 246 • 251 • 243	• 256 • 249	• 269	• 250	•200	•152		6 7	
-4.500 -4.000 -3.500 -3.000	•246 •251 •243 •135	• 256 • 249 • 235	• 269 • 245	• 250 • 208 • 183			•211	7 8	• 343 • 279 • 233
-4.500 -4.000 -3.500 -3.000 -2.750	.246 .251 .243 .135	• 256 • 249 • 235 • 232	• 269 • 245 • 222	• 250 • 208 • 183	•200 •171	•152 •173	•211 •204 •194 •183	7 8 9	• 343 • 279 • 233 • 238
-4.500 -4.000 -3.500 -3.000 -2.750 -2.500	.246 .251 .243 .135 .221	• 256 • 249 • 235	• 269 • 245	• 250 • 208	•200 •171 •158 •154 •149	•152 •173 •204 •231 •265	.211 .204 .194 .183	7 8 9 10	• 343 • 279 • • 233 • • 238 • • 245
-4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250	.246 .251 .243 .135	• 256 • 249 • 235 • 232 • 203	.269 .245 .222 .198 .172	• 250 • 208 • 183 • 160 • 144 • 128	• 200 • 171 • 158 • 154 • 149 • 141	•152 •173 •204 •231 •265 •294	• 211 • 204 • 194 • 183 • 167 • 151	7 8 9 10 11	• 343 • 279 • • 233 • • 238 • • 245 • • 243
-4.500 -4.000 -3.500 -3.000 -2.750 -2.500	.246 .251 .243 .135 .221 .199	.256 .249 .235 .232 .203 .183 .156	.269 .245 .222 .198 .172 .150	• 250 • 208 • 183 • 160 • 144 • 128 • 121	.200 .171 .158 .154 .149 .141	•152 •173 •204 •231 •265 •294 •326	.211 .204 .194 .183 .167 .151	7 8 9 10 11 12	• 343 • 279 • 233 • 238 • 245 • 243 • 210
-4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500	.246 .251 .243 .135 .221 .199 .186 .148	• 256 • 249 • 235 • 232 • 203 • 183 • 156 • 135	.269 .245 .222 .198 .172 .150	.250 .208 .183 .160 .144 .128 .121	.200 .171 .158 .154 .149 .141	.152 .173 .204 .231 .265 .294 .326	.211 .204 .194 .183 .167 .151 .135	7 8 9 10 11 12 13	• 343 • 279 • 233 • 238 • 245 • 243 • 210 • 163
-4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.500 -2.500 -1.750	.246 .251 .243 .135 .221 .199 .186 .148	. 256 . 249 . 235 . 232 . 203 . 183 . 156 . 135 . 116	.269 .245 .222 .198 .172 .150 .136 .117	.250 .208 .183 .160 .144 .128 .121 .116	.200 .171 .158 .154 .149 .141 .143	.152 .173 .204 .231 .265 .294 .326 .352	.211 .204 .194 .183 .167 .151 .135 .119	7 8 9 10 11 12 13 14	. 343 . 279 233 238 245 243 . 210 . 163 . 136
-4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.500 -1.750 -1.500 -1.250 -1.000	.246 .251 .243 .135 .221 .199 .186 .148 .142 .115 .085	• 256 • 249 • 235 • 232 • 203 • 183 • 156 • 135 • 116 • 105 • 102	.269 .245 .222 .198 .172 .150 .136 .117	.250 .208 .183 .160 .144 .128 .121 .116 .113	.200 .171 .158 .154 .149 .141 .143 .154	.152 .173 .204 .231 .265 .294 .326 .352 .371	.211 .204 .194 .183 .167 .151 .135 .119 .104	7 8 9 10 11 12 13 14	. 343 . 279 233 238 245 243 . 210 . 163 . 136
-4.500 -4.000 -3.500 -3.500 -2.750 -2.250 -2.250 -2.250 -1.750 -1.500 -1.500 -1.750	.246 .251 .243 .135 .221 .199 .186 .148 .142 .115 .085	. 256 . 249 . 235 . 232 . 203 . 183 . 156 . 135 . 116 . 105 . 102	.269 .245 .222 .198 .172 .150 .136 .117 .105	• 250 • 208 • 183 • 160 • 144 • 128 • 121 • 116 • 113 • 128 • 178	. 200 .171 .158 .154 .149 .141 .143 .154 .182 .225	.152 .173 .204 .231 .265 .294 .326 .352 .371 .386	.211 .204 .194 .183 .167 .151 .135 .119 .104 .096	7 8 9 10 11 12 13 14 15	. 343 . 279 233 238 245 243 . 210 . 163 . 136 . 156
-4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.500 -1.750 -1.500 -1.250 -1.000 -750 -625	.246 .251 .243 .135 .221 .199 .186 .148 .145 .0085 .074 .107	. 256 . 249 . 235 . 232 . 203 . 183 . 156 . 135 . 116 . 105 . 102 . 112	.269 .245 .222 .198 .172 .150 .136 .117 .105 .112 .137	.250 .208 .183 .160 .144 .128 .121 .116 .113 .128 .178	.200 .171 .158 .154 .149 .141 .154 .182 .225 .286	.152 .173 .204 .231 .265 .294 .326 .352 .371 .386 .401	.211 .204 .194 .183 .167 .151 .135 .119 .104 .096 .089	7 8 9 10 11 12 13 14 15 16	. 343 . 279 - 233 - 238 - 245 - 243 . 210 . 163 . 136 . 156 . 191 . 249
-4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.500 -1.250 -1.600 -1.250 -1.600 -1.600 -1.600 -1.600 -1.600	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 142 . 115 . 085 . 074 . 107	. 256 . 249 . 235 . 232 . 203 . 183 . 156 . 135 . 116 . 105 . 102 . 112 . 135 . 193	.269 .245 .222 .198 .172 .150 .136 .117 .105 .112 .137 .164	.250 .208 .183 .160 .144 .128 .121 .116 .113 .128 .178 .215	. 200 .171 .158 .154 .141 .143 .154 .182 .225 .286 .315	.152 .173 .204 .231 .265 .294 .326 .352 .371 .386 .401 .396	.211 .204 .194 .183 .167 .151 .135 .119 .104 .096 .089	7 8 9 10 11 12 13 14 15 16 17	. 343 . 279 - 233 238 245 245 . 210 . 163 . 156 . 156 . 191 . 249
-4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.500 -1.500 -1.500 -1.550 -1.500 -750 -625 -500 -375	.246 .251 .243 .135 .221 .199 .186 .148 .142 .115 .085 .074 .107	. 256 . 249 . 235 . 232 . 203 . 183 . 156 . 135 . 116 . 105 . 102 . 112 . 135 . 193 . 240	. 269 . 245 . 222 . 198 . 172 . 150 . 136 . 117 . 105 . 112 . 137 . 164 . 211	. 250 . 208 . 183 . 160 . 144 . 128 . 121 . 116 . 113 . 128 . 178 . 215 . 260 . 309	. 200 .171 .158 .154 .141 .143 .154 .182 .225 .286 .315 .343	.152 .173 .204 .231 .265 .294 .326 .352 .371 .386 .401 .396 .390	.211 .204 .194 .183 .167 .151 .135 .119 .104 .096 .089 .093 .102	7 8 9 10 11 12 13 14 15 16 17 18	.343 .279 -233 -243 -245 -243 .210 .163 .136 .191 .249 .274
-4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.500 -1.250 -1.600 -1.250 -1.600 -1.600 -1.600 -1.600 -1.600	.246 .251 .243 .135 .221 .199 .186 .148 .142 .115 .085 .074 .107	. 256 . 249 . 235 . 232 . 203 . 183 . 156 . 135 . 116 . 105 . 102 . 112 . 135 . 193	. 269 . 245 . 222 . 198 . 172 . 150 . 136 . 117 . 105 . 112 . 137 . 164 . 211 . 269 . 320	.250 .208 .183 .160 .144 .128 .121 .116 .113 .128 .178 .215	.200 .171 .158 .154 .149 .141 .143 .154 .182 .225 .226 .315 .343 .364	.152 .173 .204 .231 .265 .294 .326 .352 .371 .386 .401 .396	.211 .204 .194 .183 .167 .151 .135 .119 .104 .096 .089 .093 .102	7 8 9 10 11 12 13 14 15 16 17 18 19	. 343 . 279 - 233 - 238 - 245 - 243 . 210 . 163 . 136 . 191 . 249 . 274 - 212 - 206
~4.500 ~4.500 ~3.500 ~3.500 ~2.750 ~2.500 ~2.250 ~2.500 ~1.750 ~1.250 ~1.950 ~3.75 ~3.75 ~2.500 ~1.250 ~1.250	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 145 . 0085 . 074 . 107 . 130 . 169 . 225 . 292 . 340	256 249 235 232 203 183 156 135 116 105 102 112 135 240 301	. 269 . 245 . 222 . 198 . 177 . 150 . 136 . 117 . 105 . 112 . 137 . 164 . 211 . 269 . 320 . 344	.250 .208 .183 .160 .144 .128 .121 .116 .113 .128 .178 .215 .220 .309	.200 .171 .158 .154 .149 .141 .182 .225 .286 .315 .343 .364	152 173 204 231 265 352 371 386 401 396 390 378	.211 .204 .194 .183 .167 .151 .135 .119 .104 .096 .089 .093 .102 .126 .175	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 -1245 -163 .136 .156 .191 .249 .274 -274 -1212 -168
~4.500 ~3.500 ~3.500 ~3.500 ~2.750 ~2.500 ~2.250 ~2.000 ~1.750 ~1.500 ~1.500 ~3.750 ~3.750 ~3.750 ~3.750 ~3.750 ~3.750 ~3.750 ~3.750 ~3.750 ~3.750 ~3.750 ~3.750	.246 .251 .243 .135 .221 .199 .186 .148 .142 .115 .085 .074 .107	. 256 . 249 . 235 . 232 . 203 . 183 . 156 . 135 . 116 . 105 . 102 . 112 . 135 . 193 . 240	. 269 . 245 . 222 . 198 . 172 . 150 . 136 . 117 . 105 . 112 . 137 . 164 . 211 . 269 . 320	. 250 . 208 . 183 . 160 . 144 . 128 . 121 . 116 . 113 . 128 . 178 . 215 . 260 . 309	.200 .171 .158 .154 .149 .141 .143 .154 .182 .225 .226 .315 .343 .364	.152 .173 .204 .231 .265 .294 .326 .352 .371 .386 .401 .396 .390	2011 204 194 183 167 151 135 119 104 096 089 093 102 126 175 247	7 8 9 10 11 12 13 14 15 16 17 18 19	. 343 . 279 - 233 - 238 - 245 - 243 . 210 . 163 . 136 . 191 . 249 . 274 - 212 - 206
~4.500 ~4.500 ~3.500 ~3.500 ~2.750 ~2.500 ~2.250 ~2.500 ~1.750 ~1.250 ~1.950 ~3.75 ~3.75 ~2.500 ~1.250 ~1.250	.246 .251 .243 .135 .221 .199 .186 .148 .142 .125 .085 .074 .107 .130 .169 .225 .292 .340 .331	. 256 249 . 235 . 232 . 203 . 183 . 183 . 186 . 135 . 116 . 105 . 102 . 112 . 113 . 193 . 240 . 301 . 329	.269 .245 .222 .198 .172 .150 .136 .117 .105 .112 .137 .164 .211 .269 .320 .320 .334	.250 .208 .183 .160 .144 .128 .121 .115 .128 .178 .215 .240 .309 .345	. 200 .171 .158 .154 .149 .141 .163 .154 .162 .225 .286 .315 .343 .364 .376 .356	152 173 204 231 265 352 371 386 401 396 390 378	.211 .204 .194 .183 .167 .151 .135 .119 .104 .096 .089 .093 .102 .126 .175 .247 .228	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 -1245 -163 .136 .156 .191 .249 .274 -274 -1212 -168
-4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -1.750 -1.500 -1.250 -1.750 -6.25 -5.000 -3.75 -2.50 -1.25 -0.000 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 142 . 115 . 0085 . 0074 . 1107 . 130 . 169 . 225 . 292 . 340 . 331	-256 -249 -235 -232 -203 -183 -156 -135 -102 -112 -135 -193 -240 -301 -329	. 269 . 245 . 222 . 198 . 172 . 150 . 136 . 117 . 105 . 113 . 164 . 211 . 269 . 344 . 334 233 233	.250 .208 .183 .160 .144 .128 .121 .113 .128 .178 .225 .200 .309 .345	.200 .171 .158 .154 .149 .141 .163 .154 .182 .225 .286 .315 .343 .364 .376 .376	152 173 204 231 265 352 371 386 401 396 390 378	2011 204 194 183 167 151 135 119 104 096 089 093 102 126 175 227 228	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 -1245 -163 .136 .156 .191 .249 .274 -274 -1212 -168
~4.500 ~4.500 ~3.500 ~3.500 ~3.500 ~2.750 ~2.500 ~2.250 ~2.000 ~1.750 ~1.500 ~1.250 ~3.75 ~250 ~3.75 ~250 ~3.75 ~250 ~3.75 ~250 ~3.75 ~500	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 142 . 115 . 085 . 074 . 107 . 130 . 169 . 225 . 292 . 340 . 331	-256 -249 -235 -232 -232 -233 -166 -135 -116 -105 -102 -112 -135 -1240 -301 -232 -234 -232 -231	. 269 . 245 . 222 . 198 . 172 . 150 . 136 . 117 . 105 . 112 . 137 . 164 . 211 . 269 . 320 . 344 . 334 233 235	. 250 . 208 . 183 . 180 . 144 . 128 . 121 . 115 . 128 . 178 . 215 . 240 . 309 . 345 . 331 235 236 232	.200 .171 .158 .154 .149 .141 .162 .225 .286 .315 .364 .376 .364 .376 .343	152 173 204 231 265 294 326 332 371 386 401 396 378 378	2011 204 194 183 167 151 135 119 104 096 089 093 102 126 175 247 228 -193 -203	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 -1245 -163 .136 .156 .191 .249 .274 -274 -1212 -168
-4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -1.750 -1.500 -1.250 -1.750 -6.25 -5.000 -3.75 -2.50 -1.25 -0.000 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 142 . 115 . 0085 . 0074 . 1107 . 130 . 169 . 225 . 292 . 340 . 331	. 256 . 249 . 235 . 232 . 203 . 183 . 156 . 135 . 116 . 105 . 102 . 112 . 135 . 193 . 240 . 301 . 329 . 234 . 232 . 231 . 228	. 269 245 . 222 . 198 . 172 . 150 . 136 . 117 . 105 . 112 . 137 . 164 . 211 . 269 . 344 . 334 235 235 235 218	.250 .208 .183 .180 .140 .128 .121 .113 .128 .178 .215 .226 .309 .345 .331	. 200 .171 .188 .154 .149 .141 .182 .225 .286 .315 .343 .364 .376 .356 .343	152 173 204 231 265 294 326 352 371 386 4401 390 378 364	2011 204 194 183 167 151 135 119 104 096 089 102 126 175 247 -228 -193 -205 -205	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 -1245 -163 .136 .156 .191 .249 .274 -274 -1212 -168
~4.500 ~3.500 ~3.500 ~3.500 ~2.750 ~2.500 ~2.250 ~2.000 ~1.750 ~1.500 ~1.250 ~3.75 ~250 ~3.75 ~250 ~3.75 ~250 ~3.75 ~250 ~3.75 ~500	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 142 . 115 . 008 . 008 . 008 . 107 . 130 . 169 . 225 . 292 . 340 . 331 . 236 . 233 . 241 . 255 . 255	- 256 - 249 - 235 - 232 - 203 - 183 - 185 - 116 - 105 - 112 - 1135 - 1135 - 1135 - 1135 - 1135 - 1135 - 1240 - 301 - 329 - 231 - 228 - 189	. 269 . 245 . 222 . 198 . 172 . 150 . 136 . 117 . 105 . 112 . 137 . 164 . 211 . 269 . 320 . 344 . 334 235 235 218 198	. 250 . 208 . 183 . 180 . 144 . 128 . 121 . 115 . 128 . 178 . 215 . 280 . 309 . 345 . 331 235 232 222 226	.200 .171 .158 .154 .149 .141 .143 .154 .182 .225 .286 .315 .343 .364 .376 .356 .343	152 173 204 231 265 294 326 352 371 386 401 398 398 398 398 364	2011 204 194 183 167 151 135 119 104 096 089 093 102 126 175 247 228 -193 -205 -205 -214	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 -1245 -163 .136 .156 .191 .249 .274 -274 -1212 -168
~4.500 ~4.500 ~3.500 ~3.500 ~2.750 ~2.250 ~2.250 ~1.750 ~1.500 ~1.250 ~1.250 ~1.250 ~1.250 ~1.250 ~1.250 ~1.250 ~1.250 ~1.250 ~1.250 ~1.250 ~1.250 ~1.250 ~1.250 ~1.250	.246 .251 .243 .135 .221 .199 .186 .148 .142 .115 .005 .074 .1107 .130 .169 .225 .292 .340 .331	- 256 - 249 - 235 - 232 - 203 - 183 - 105 - 105 - 102 - 112 - 193 - 240 - 301 - 329 - 234 - 232 - 231 - 228 - 189 - 189 - 1213	. 269 245 . 222 . 198 . 172 . 150 . 136 . 117 . 105 . 112 . 137 . 164 . 211 . 269 . 320 . 344 . 334 . 233 235 218 193 157	.250 .208 .183 .160 .144 .128 .121 .113 .128 .178 .215 .220 .309 .345 .235 .235 .235 .235 .235 .235 .235 .23	.200 .171 .158 .154 .149 .141 .149 .154 .182 .225 .226 .315 .343 .364 .376 .356 .343	152 173 204 231 265 294 326 3371 386 401 390 378 364 390	2011 204 194 183 167 181 135 119 104 096 089 102 126 175 247 228 -193 -205 -205 -214 -206	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 -1245 -163 .136 .156 .191 .249 .274 -274 -1212 -168
~4.500 ~3.500 ~3.500 ~3.000 ~2.750 ~2.500 ~2.250 ~2.000 ~1.750 ~1.250 ~1.250 ~3.75 ~250 ~3.75 ~250 ~3.75 ~250 ~3.75 ~3.7	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 145 . 085 . 074 . 107 . 130 . 169 . 225 . 292 . 340 . 331 . 236 . 233 . 241 . 256 . 255 . 200 . 176	. 256 . 249 . 235 . 232 . 203 . 183 . 155 . 116 . 105 . 112 . 1135 . 193 . 240 . 301 . 329 . 234 . 232 . 231 . 228 . 231 . 228 . 238 . 248 . 301 . 301	. 269 . 245 . 222 . 198 . 172 . 150 . 136 . 117 . 105 . 112 . 137 . 164 . 211 . 269 . 320 . 344 . 334 235 235 218 193	.250 .208 .183 .160 .144 .128 .121 .113 .128 .178 .215 .260 .309 .345 .235 .235 .236 .232 .226 .128 .128 .139 .149 .159 .159 .159 .159 .159 .159 .159 .15	. 200 .171 .158 .154 .149 .141 .163 .154 .182 .225 .285 .315 .334 .376 .376 .343 .356 .343 .356 .343 .356 .343 .356 .343 .356	152 173 204 231 265 294 326 352 371 386 401 398 398 398 378 364	2011 204 194 183 167 151 135 119 104 096 089 093 102 126 175 247 228 -193 -203 -205 -205 -214 -206 -187	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 -1245 -163 .136 .156 .191 .249 .274 -274 -1212 -168
~4.500 ~3.500 ~3.500 ~3.500 ~2.750 ~2.250 ~2.250 ~1.750 ~1.500 ~1.250	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 142 . 115 . 005 . 007 . 130 . 169 . 225 . 292 . 340 . 331 . 236 . 233 . 241 . 256 . 255 . 200 . 176 . 184	- 256 - 249 - 235 - 232 - 233 - 183 - 156 - 135 - 105 - 102 - 112 - 113 - 124 - 232 - 234 - 232 - 231 - 228 - 189 - 213 - 177 - 158	. 269 2245 . 222 . 198 . 172 . 150 . 136 . 117 . 105 . 112 . 137 . 164 . 211 . 269 . 320 . 344 . 334 . 233 235 218 157 157 129 157 129	.250 .208 .183 .160 .144 .128 .121 .113 .128 .178 .215 .220 .309 .345 .235 .235 .235 .236 .232 .226 .226 .186 .118	. 200 .171 .158 .154 .149 .141 .182 .225 .226 .315 .343 .364 .376 .356 .343 .208 .213 .208 .213 .208 .213 .208 .213 .208 .213 .208 .213 .208 .213 .208 .213 .208 .207 .213 .219 .227	152 173 204 231 265 294 326 352 371 386 401 390 378 390 -1154 -1154 -1154 -1129	2011 204 194 183 167 181 135 119 104 096 089 102 126 175 247 228 -193 -205 -205 -214 -206 -187 -159	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 -1245 -163 .136 .156 .191 .249 .274 -274 -1212 -168
~4.500 ~3.500 ~3.500 ~3.500 ~2.750 ~2.500 ~2.750 ~2.250 ~1.750 ~1.500 ~1.250 ~1.250 ~3.75 ~2.500 ~3.75	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 145 . 085 . 074 . 107 . 130 . 169 . 225 . 292 . 340 . 331 233 241 255 255 255 200 176 184 187	. 256 . 249 . 235 . 232 . 203 . 183 . 155 . 116 . 105 . 112 . 1135 . 193 . 240 . 301 . 329 . 234 . 232 . 231 . 228 . 189 . 218 . 189 . 218 . 218 . 218 . 218 . 318 . 318 . 319 . 329 . 321 . 321	. 269 . 245 . 222 . 198 . 172 . 150 . 136 . 117 . 105 . 112 . 137 . 164 . 211 . 269 . 320 . 344 . 334 235 235 235 218 129 129 129 129 129 129 129 129 129 129 129 129 129 129 129	. 250 . 208 . 183 . 160 . 144 . 128 . 121 . 115 . 128 . 178 . 215 . 240 . 309 . 345 . 235 . 235 . 235 . 236 161 161 161 161 161 161 161 161 161 161 161 161 161 161	.200 .171 .158 .154 .149 .141 .163 .154 .182 .225 .286 .315 .343 .364 .376 .356 .343 .208 .207 .213 .219 .219 .227 .221	152 173 204 231 265 294 326 352 371 386 401 390 378 364 -139 -1139 -1139 -125	2011 204 194 183 167 151 135 119 104 096 089 093 102 126 175 247 228 -193 -203 -205 -214 -206 -187 -159	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 -1245 -163 .136 .156 .191 .249 .274 -274 -1212 -168
~4.500 ~3.500 ~3.500 ~2.750 ~2.2500 ~2.2500 ~1.750 ~1.500 ~1.250	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 142 . 115 . 085 . 074 . 107 . 130 . 169 . 225 . 292 . 340 . 331 . 236 . 233 . 241 . 255 . 200 . 176 . 184 . 187 . 187 . 184	- 256 - 249 - 235 - 232 - 232 - 233 - 183 - 156 - 135 - 105 - 102 - 112 - 135 - 193 - 240 - 231 - 232 - 231 - 228 - 189 - 213 - 177 - 158 - 147 - 138	. 269 . 245 . 222 . 198 . 172 . 150 . 136 . 117 . 105 . 112 . 137 . 164 . 211 . 269 . 320 . 344 . 233 . 236 . 235 . 218 . 193 . 157 . 129 . 129	. 250 . 208 . 183 . 160 . 164 . 128 . 121 . 113 . 128 . 178 . 225 . 240 . 309 . 345 . 235 . 236 . 235 . 236 . 225 . 186 . 181 . 181	. 200 .171 .158 .154 .149 .141 .143 .154 .182 .225 .226 .315 .343 .364 .376 .356 .343 .213 .213 .213 .213 .213 .213 .213 .21	152 173 204 231 265 324 326 352 371 386 401 390 378 390 -1154 -1154 -1159 -1129 -1129 -1129	2011 204 194 183 167 151 135 119 104 096 089 102 126 175 2247 228 -193 -205 -214 -206 -187 -159 -119	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 -1245 -163 .136 .156 .191 .249 .274 -274 -1212 -168
~4.500 ~4.500 ~3.500 ~3.500 ~2.750 ~2.500 ~2.750 ~2.250 ~2.000 ~1.750 ~1.500 ~1.250 ~3.75 ~2.50 ~3.75 ~2.50 ~3.75	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 145 . 0085 . 074 . 1107 . 130 . 169 . 225 . 292 . 340 . 331 . 241 . 255 . 200 . 176 . 187 . 187 . 198	- 256 - 249 - 235 - 222 - 203 - 183 - 156 - 135 - 116 - 105 - 102 - 112 - 133 - 240 - 231 - 232 - 231 - 228 - 189 - 147 - 158 - 147 - 138 - 133	. 269 . 245 . 222 . 198 . 172 . 150 . 136 . 117 . 105 . 112 . 137 . 164 . 211 . 269 . 320 . 344 . 334 . 233 . 235 . 218 . 193 . 157 . 129 . 122 . 098 . 112 . 108	. 250 . 208 . 183 . 160 . 144 . 128 . 121 . 115 . 128 . 178 . 215 . 226 . 309 . 345 . 331 235 232 226 161 	. 200 .171 .158 .154 .149 .141 .163 .154 .182 .225 .286 .315 .343 .364 .376 .356 .343 .208 .207 .213 .219 .227 .221 .219 .219 .219 .219 .219 .219 .219	152 173 204 231 265 294 326 352 371 386 401 390 378 364 -139 -1183 -1139 -125 -1139 -125 -1143	- 211 - 204 - 194 - 183 - 167 - 151 - 135 - 119 - 104 - 096 - 089 - 093 - 102 - 126 - 175 - 247 - 228 - 193 - 203 - 205 - 214 - 206 - 187 - 159 - 140 - 119 - 140 - 119 - 105	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 -1245 -163 .136 .156 .191 .249 .274 -274 -1212 -168
~4.500 ~4.500 ~3.500 ~3.500 ~3.000 ~2.750 ~2.500 ~2.250 ~2.000 ~1.750 ~1.250 ~1	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 145 . 085 . 074 . 107 . 130 . 169 . 225 . 292 . 340 . 331 . 236 . 233 . 241 . 255 . 200 . 176 . 184 . 185 . 185	- 256 - 249 - 235 - 232 - 232 - 233 - 183 - 183 - 105 - 102 - 112 - 135 - 193 - 240 - 232 - 231 - 232 - 231 - 228 - 189 - 119 - 1189 - 117 - 1158 - 147 - 138 - 147 - 138 - 147 - 138 - 133 - 125	269 245 222 198 172 150 136 117 105 112 137 164 211 269 320 344 334 -233 -235 -218 157 -119 -129 -112 -108	. 250 . 208 . 183 . 180 . 144 . 128 . 121 . 115 . 128 . 178 . 215 . 280 . 309 . 345 . 235 236 232 226 161 150 147 143 137 143 137 125	. 200 .171 .158 .154 .149 .141 .163 .154 .162 .225 .286 .315 .343 .364 .376 .356 .343 .208 .207 .213 .208 .213 .2213 .213 .213 .213 .213 .213 .21	152 173 204 231 265 294 326 3326 3371 386 390 397 398 398 398 398 399 -1183 -1	2011 204 194 183 167 151 135 110 104 096 089 102 126 175 2247 228 -193 -205 -205 -214 -206 -187 -159 -119 -105 -090	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 -1245 -163 .136 .156 .191 .249 .274 -274 -1212 -168
~4.500 ~4.500 ~3.500 ~3.500 ~2.750 ~2.250 ~2.250 ~2.250 ~1.750 ~1.500 ~1.250 ~1	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 145 . 0085 . 074 . 1107 . 130 . 169 . 225 . 292 . 340 . 331 . 233 . 241 . 255 . 292 . 255 . 292 . 292 . 340 . 331 . 256 . 255 . 292 . 293 . 294 . 255 . 292 . 293 . 294 . 295 . 29	- 256 - 249 - 235 - 232 - 203 - 183 - 156 - 135 - 116 - 105 - 102 - 112 - 135 - 193 - 240 - 232 - 231 - 228 - 189 - 213 - 177 - 138 - 147 - 138 - 147 - 138 - 125 - 111	. 269 . 245 . 222 . 198 . 172 . 150 . 136 . 117 . 105 . 112 . 137 . 164 . 211 . 269 . 320 . 344 . 334 . 233 . 236 . 235 . 218 . 193 . 157 . 129 . 129 . 129 . 129 . 129 . 129 . 129 . 129 . 108 . 104 . 108	. 250 . 208 . 183 . 180 . 180 . 124 . 128 . 121 . 113 . 128 . 178 . 225 . 226 . 309 . 345 . 331 235 236 232 226 186 161 150 147 143 125 127 143 127 125 108	. 200 .171 .188 .154 .149 .141 .149 .154 .182 .225 .286 .315 .343 .364 .376 .356 .343 .208 .207 .213 .219 .227 .219 .219 .227 .219 .162 .145	152 173 204 231 265 294 326 352 371 386 401 396 378 364 -339 -183 -1154 -129 -125 -1130 -1143 -1143 -1143 -1143	- 211 - 204 - 194 - 183 - 167 - 151 - 135 - 119 - 104 - 096 - 089 - 093 - 102 - 126 - 175 - 247 - 228 - 193 - 203 - 205 - 214 - 206 - 187 - 159 - 140 - 119 - 140 - 119 - 105	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 -1245 -163 .136 .156 .191 .249 .274 -274 -1212 -168
~4.500 ~4.500 ~3.500 ~3.500 ~3.000 ~2.750 ~2.500 ~2.250 ~2.000 ~1.750 ~1.250 ~1	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 142 . 115 . 0085 . 0074 . 107 . 130 . 169 . 225 . 292 . 340 . 331 . 236 . 233 . 241 . 255 . 200 . 176 . 187 196 187 196 222 233 223 187 196 222 233 223 148	- 256 - 249 - 235 - 232 - 232 - 233 - 183 - 186 - 135 - 116 - 105 - 102 - 112 - 135 - 193 - 240 - 232 - 231 - 228 - 189 - 123 - 189 - 177 - 138 - 147 - 138 - 133 - 125 - 111 - 105	- 269 - 245 - 222 - 198 - 172 - 150 - 136 - 117 - 105 - 112 - 137 - 164 - 211 - 269 - 320 - 344 - 334 - 235 - 218 - 193 - 157 - 129 - 122 - 108 - 104 - 103 - 088	. 250 . 208 . 183 . 180 . 144 . 128 . 121 . 115 . 128 . 178 . 215 . 280 . 309 . 345 . 235 . 235 . 235 . 222 . 226 . 186 . 161 . 150 . 147 . 143 . 157 . 167 . 168 . 178 . 178	. 200 .171 .158 .154 .149 .141 .143 .154 .182 .225 .286 .315 .343 .364 .376 .336 .343 .208 .207 .213 .213 .219 .227 .221 .210 .191 .145 .145 .145	152 173 204 231 265 294 326 352 371 386 401 398 378 364 398 378 364 139 -1139 -1139 -1139 -1139 -1143 -1139 -1143 -1143 -1143 -1163 -1188	2011 204 194 183 167 151 135 110 104 096 089 102 126 175 2247 228 -193 -205 -205 -214 -206 -187 -159 -119 -105 -090	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 -1245 -163 .136 .156 .191 .249 .274 -274 -1212 -168
~4.500 ~3.500 ~3.500 ~3.500 ~2.750 ~2.250 ~2.250 ~2.250 ~1.750 ~1.500 ~1.250 ~1	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 115 . 005 . 007 . 130 . 169 . 225 . 292 . 340 . 331 . 236 . 233 . 241 . 256 . 255 . 292 . 292 . 340 . 3 31 . 241 . 256 . 255 . 292 . 340 . 340	- 256 - 249 - 235 - 232 - 203 - 183 - 156 - 135 - 116 - 105 - 102 - 112 - 135 - 193 - 240 - 232 - 231 - 228 - 189 - 213 - 177 - 158 - 147 - 138 - 133 - 125 - 111 - 105 - 126	. 269 . 245 . 222 . 198 . 172 . 150 . 136 . 117 . 105 . 112 . 137 . 164 . 211 . 269 . 320 . 344 . 334 . 236 . 235 . 218 . 193 . 157 . 129 . 129 . 129 . 120 . 108 . 104 . 103 . 088 . 1093	. 250 . 208 . 183 . 183 . 180 . 180 . 144 . 128 . 121 . 115 . 128 . 178 . 225 . 226 . 309 . 345 . 235 . 226 . 186 . 161 . 150 . 147 . 149 . 127 . 149 . 127 . 108 . 076 . 0059	- 200 - 171 - 188 - 154 - 149 - 141 - 149 - 154 - 182 - 225 - 286 - 315 - 343 - 364 - 376 - 356 - 343 - 208 - 207 - 213 - 219 - 227 - 219 - 162 - 145 - 145 - 145 - 145 - 145 - 145	152 173 204 231 265 294 326 352 371 386 401 396 378 364 339 -1154 -1154 -1154 -1154 -1154 -1154 -1154 -1154 -1154 -1154 -1163	2011 204 194 183 167 151 135 110 104 096 089 102 126 175 2247 228 -193 -205 -205 -214 -206 -187 -159 -119 -105 -090	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 -1245 -163 .136 .156 .191 .249 .274 -274 -1212 -168
~4.500 ~4.500 ~3.500 ~3.500 ~3.000 ~2.750 ~2.500 ~2.000 ~1.750 ~1.250 ~1.250 ~3.75 ~	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 142 . 115 . 0085 . 0074 . 107 . 130 . 169 . 225 . 292 . 340 . 331 . 236 . 233 . 241 . 255 . 200 . 176 . 184 . 187 . 218 . 223 . 223 . 223 . 223 . 233 . 241 . 255 . 200 . 176 . 225 . 226 . 227 . 227 . 227 . 228 . 22	- 256 - 249 - 235 - 232 - 232 - 233 - 183 - 186 - 135 - 116 - 105 - 112 - 135 - 133 - 240 - 231 - 231 - 231 - 231 - 189 - 111 - 105 - 1147 - 138 - 133 - 125 - 111 - 105 - 126 - 045	. 269 . 245 . 222 . 198 . 172 . 150 . 116 . 117 . 105 . 112 . 137 . 164 . 211 . 269 . 320 . 344 . 334 . 235 . 218 . 193 . 157 . 129 . 112 . 108 . 109 . 108 . 109 . 108 . 109 . 109 . 109 . 109	. 250 . 208 . 183 . 180 . 144 . 128 . 121 . 113 . 128 . 178 . 225 . 245 . 309 . 345 . 331 . 235 . 236 . 232 . 226 . 161 . 150 . 147 . 143 . 150 . 147 . 143 . 155 . 165 . 165	- 200 -171 -158 -154 -149 -141 -149 -154 -182 -225 -286 -315 -336 -3366 -343 213 213 213 213 213 213 215 145 145 145 145 1145	152 173 204 231 265 294 326 352 371 386 401 398 398 398 364 -139 -1184 -1139 -125 -1139 -1188 -1	2011 204 194 183 167 151 135 110 104 096 089 102 126 175 2247 228 -193 -205 -205 -214 -206 -187 -159 -119 -105 -090	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 .210 .163 .136 .156 .191 .249 .274 -212 -206
-4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -2.200 -1.750 -1.500 -1.250 -1	. 246 . 251 . 243 . 135 . 221 . 199 . 186 . 148 . 115 . 005 . 007 . 130 . 169 . 225 . 292 . 340 . 331 . 236 . 233 . 241 . 256 . 255 . 292 . 292 . 340 . 3 31 . 241 . 256 . 255 . 292 . 340 . 340	- 256 - 249 - 235 - 232 - 203 - 183 - 156 - 135 - 116 - 105 - 102 - 112 - 135 - 193 - 240 - 232 - 231 - 228 - 189 - 213 - 177 - 158 - 147 - 138 - 133 - 125 - 111 - 105 - 126	. 269 . 245 . 222 . 198 . 172 . 150 . 136 . 117 . 105 . 112 . 137 . 164 . 211 . 269 . 320 . 344 . 334 . 236 . 235 . 218 . 193 . 157 . 129 . 129 . 129 . 120 . 108 . 104 . 103 . 088 . 1093	. 250 . 208 . 183 . 183 . 180 . 180 . 144 . 128 . 121 . 115 . 128 . 178 . 225 . 226 . 309 . 345 . 235 . 226 . 186 . 161 . 150 . 147 . 149 . 127 . 149 . 127 . 108 . 076 . 0059	- 200 - 171 - 188 - 154 - 149 - 141 - 149 - 154 - 182 - 225 - 286 - 315 - 343 - 364 - 376 - 356 - 343 - 208 - 207 - 213 - 219 - 227 - 219 - 162 - 145 - 145 - 145 - 145 - 145 - 145	152 173 204 231 265 294 326 352 371 386 401 396 378 364 339 -1154 -1154 -1154 -1154 -1154 -1154 -1154 -1154 -1154 -1154 -1163	2011 204 194 183 167 151 135 110 104 096 089 102 126 175 2247 228 -193 -205 -205 -214 -206 -187 -159 -119 -105 -090	7 8 9 10 11 12 13 14 15 16 17 18 19 20	.343 .279 -233 -238 -245 -245 .210 .163 .136 .156 .191 .249 .274 -212 -206

Table 20 Concluded
Plate and Spoiler Pressure Coefficients

		Config	uration 2	M= 2	01	R= 0.30	X 10 6		
			3.00	Plate		1 2 2 5		Spo	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ= 6	00				
-6.000	.006	•003	•010	•001	•019	• 226		1	•378
-5.500 -5.000	.006	•002	•012	•003	•026	•267		2 3	• 378 • 378
-4.500	.023	•002	•014	•077	.235	.123		4	• 377
-4.000	•152	•116	•144	•195	•232	•109	•183	5	• 372
-3.500 -3.000	•189	•188 •196	•204	• 205 • 200	•192 •123	•137 •260	•187 •191	6 7	• 354
-2.750	•196	•206	.202	.179	.108	•340	•188	8	226
-2.500	•195	•197	•190	•140	.108	• 406	.180	9	229
-2 • 250 -2 • 000	•188	•184 •145	•160 •119	•108 •092	•117 •150	•427	•164	10	234
-1.750	•120	•106	•106	•097	.218	•434	•107	12	•301
-1.500	•092	•089	•091	•122	•317	• 425	• 095	13	• 305 • 306
-1.250 -1.000	•102 •125	•101 •166	•120 •224	•204 •316	•380 •399	•419	•101 •134	15	• 318
750	•282	•297	• 336	.374	• 405	•408	.203	16	. 325
625	•337	•341	• 365	.380	•402	•401	• 240	17	• 315
500 375	•369 •368	• 361 • 373	•372	•374 •383	•395	•399	• 270	18	• 215 -• 200
250	•373	•369	• 375	.384	•395	•389	•300	20	193
125	•379	260	• 374	.247	• 384	- 200	• 306	21	182 176
•000	•371	•369	•367	•367	•378	•380	•303	22	. 170
• 250	225	224	227	226	- 200		193		
• 375 • 500	223	-•227 -•225	229 229	226 227	208		196 193		
• 750	244	232	223	220	208	205	193		
1.000	275	205	228	220	205	198	198 217		
1.250	273 265	-•261 -•258	241	185	227 193	191 186	202		
1.750	162	254	237	222	191	181	202		
2.000	203	229	208	212	198	174	192	,	
2.250	134 072	-•174 -•100	235	222	209 215	-•165 -•155	190 192		
2.750	043	035	192	214	194	152	170		
3.000	035	•016	147	226	180	174	136		
3.500	022	•033	052 015	194	190 195	189 186			
4.500	•004	•014	•001	071	188	217			
5.000	•012	•006	•003	.007	173	212			
5 • 500	•010	002	•001	•055	157 144	-•196 -•186			
,					9		### 1 i		,
	1 001	- 001	•011		•020	•020		1	e 117
-6.000 -5.500	•001	001	•009	.003	.021	•133		2	•117
-5.000	•003	002	•010	•000	•023	•165		3	• 117
-4.500 -4.000	•006	002 .008	•009	.005	•093 •133	•154 •119	.074	4 5	•111
-3.500	•067	•055	•078	.095	•139	•125	.078	6	•089
-3.000	•003	•086	•104	.108	•129 •118	•135	•076	7	111
-2.750 -2.500	.086 .085	•101	•101 •098	•104	•118				150
-2.250				.097		•137	•077	8 9	158 162
	•097	•091 •094	•096	.097	.098 .095	•135 •140	.082 .076	9	162 165
-2.000	•097	•094 •088	•096 •095	.097	.098 .095 .105	•135 •140 •135	.082 .076 .079	9 10 11	162 165 183
-1.750	.097 .082 .093	•094 •088 •089	•096 •095 •088	.097 .086 .068	.098 .095 .105	•135 •140 •135 •139	.082 .076 .079	9 10 11 12	162 165 183 .093
-1.750 -1.500	•097	•094 •088	•096 •095	.097	.098 .095 .105	*135 *140 *135 *139 *137 *134	.082 .076 .079 .076 .079	9 10 11 12 13 14	162 165 183 .093 .097
-1.750 -1.500 -1.250 -1.000	.097 .082 .093 .080 .085	.094 .088 .089 .080 .063	•096 •095 •088 •065 •068	.097 .086 .068 .076 .089	.098 .095 .105 .117 .122 .127	.135 .140 .135 .139 .137 .134	.082 .076 .079 .076 .079 .067	9 10 11 12 13 14 15	162 165 183 .093 .097 .095
-1.750 -1.500 -1.250 -1.000 750	.097 .082 .093 .080 .085 .053	.094 .088 .089 .080 .063 .080	.096 .095 .088 .065 .068 .094	.097 .086 .068 .076 .089 .102	.098 .095 .105 .117 .122 .127 .132	.135 .140 .135 .139 .137 .134 .133	.082 .076 .079 .076 .079 .067 .059	9 10 11 12 13 14 15 16	162 165 183 .093 .097 .095 .095
-1.750 -1.500 -1.250 -1.000	.097 .082 .093 .080 .085	.094 .088 .089 .080 .063	•096 •095 •088 •065 •068	.097 .086 .068 .076 .089 .102 .111	.098 .095 .105 .117 .122 .127 .132 .135	•135 •140 •135 •139 •137 •134 •133 •135 •134 •133	.082 .076 .079 .076 .079 .067 .059 .076	9 10 11 12 13 14 15 16 17 18	162 165 183 .093 .097 .095 .095 .087
-1.750 -1.500 -1.250 -1.000 750 625 500 375	.097 .082 .093 .080 .085 .053 .091 .099 .113	.094 .088 .089 .080 .063 .080 .095 .101 .116	.096 .095 .088 .065 .068 .094 .106 .113 .116	.097 .086 .068 .076 .089 .102 .111 .112	.098 .095 .105 .117 .122 .127 .132 .135 .138	•135 •140 •135 •139 •137 •134 •133 •135 •134	.082 .076 .079 .076 .079 .067 .059 .076 .084 .089	9 10 11 12 13 14 15 16 17 18	-:162 -:165 -:183 :093 :097 :095 :087 :074 :008
-1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250	.097 .082 .093 .080 .085 .053 .091 .099 .113 .106	.094 .088 .089 .080 .063 .080 .095 .101	.096 .095 .088 .065 .068 .094 .106 .113 .116 .119	.097 .086 .068 .076 .089 .102 .111	.098 .095 .105 .117 .122 .127 .132 .135 .138 .135	•135 •140 •135 •139 •137 •134 •133 •135 •134 •133	.082 .075 .079 .076 .079 .067 .059 .076 .084 .089	9 10 11 12 13 14 15 16 17 18 19 20	- 162 - 165 - 183 - 093 - 097 - 095 - 087 - 074 - 008 - 164 - 116
-1.750 -1.500 -1.250 -1.000 750 625 500 375	.097 .082 .093 .080 .085 .053 .091 .099 .113	.094 .088 .089 .080 .063 .080 .095 .101 .116	.096 .095 .088 .065 .068 .094 .106 .113 .116	.097 .086 .068 .076 .089 .102 .111 .112	.098 .095 .105 .117 .122 .127 .132 .135 .138	•135 •140 •135 •139 •137 •134 •133 •135 •134	.082 .076 .079 .076 .079 .067 .059 .076 .084 .089	9 10 11 12 13 14 15 16 17 18	-:162 -:165 -:183 :093 :097 :095 :087 :074 :008
-1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -125 -000	.097 .082 .093 .080 .085 .053 .091 .099 .113 .106 .109	.094 .088 .089 .080 .063 .080 .095 .101 .116 .112 .112	.096 .095 .088 .065 .068 .094 .106 .113 .116 .119 .117 .146	.097 .086 .068 .076 .089 .102 .111 .112 .117 .119 .122	.098 .095 .105 .117 .122 .127 .135 .138 .135 .131 .135	•135 •140 •135 •139 •137 •134 •133 •135 •134 •133 •129 •129	.082 .076 .079 .076 .079 .067 .059 .076 .084 .089 .095 .097	9 10 11 12 13 14 15 16 17 18 19 20	162 165 183 .093 .097 .095 .087 .074 .008 164 116
-1.750 -1.500 -1.250 -1.000 -1.000 -750 -625 -5000 -375 -250 -125 -000	.097 .082 .093 .080 .085 .053 .091 .099 .113 .106 .109 .111 .142	.094 .088 .089 .080 .063 .080 .095 .101 .116 .112 .112	.096 .095 .088 .065 .068 .094 .106 .113 .116 .117 .117 .1146	.097 .086 .068 .076 .089 .102 .111 .112 .117 .119 .122 .140	.098 .095 .105 .117 .122 .127 .138 .135 .135 .135 .129 .154	•135 •140 •135 •139 •137 •134 •133 •135 •134 •133 •129 •129	.082 .076 .079 .076 .079 .067 .059 .076 .084 .089 .095 .097 .098 .098	9 10 11 12 13 14 15 16 17 18 19 20	162 165 183 .093 .097 .095 .087 .074 .008 164 116
-1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -125 -000 -375 -250 -375 -500	.097 .082 .093 .080 .085 .053 .091 .099 .113 .106 .109 .111 .142	.094 .088 .089 .080 .063 .080 .095 .101 .112 .112 .112 .145	.096 .095 .088 .065 .068 .094 .106 .113 .117 .1146	.097 .086 .068 .076 .089 .102 .111 .112 .117 .119 .122 .140	.098 .095 .105 .117 .122 .127 .132 .135 .138 .135 .131 .135 .129 .154	135 140 135 137 137 134 133 135 134 139 129	082 076 079 076 079 067 0059 076 084 089 095 097 098	9 10 11 12 13 14 15 16 17 18 19 20	162 165 183 .093 .097 .095 .087 .074 .008 164 116
-1.750 -1.500 -1.250 -1.000 -1.250 -1.000750625500375250125000	.097 .082 .093 .080 .085 .053 .091 .099 .113 .106 .109 .114 .142	.094 .088 .089 .080 .063 .080 .095 .101 .116 .112 .112	096 095 088 065 068 0068 106 113 116 117 114 117 114 -113 -114 -1137 -1140	.097 .086 .068 .076 .089 .102 .111 .112 .117 .112 .114 .122 .140	.098 .095 .105 .117 .122 .127 .132 .135 .131 .135 .129 .154	•135 •140 •135 •139 •137 •134 •133 •135 •134 •133 •129 •129	.082 .076 .079 .076 .079 .067 .059 .076 .084 .089 .095 .097 .098 .098	9 10 11 12 13 14 15 16 17 18 19 20	162 165 183 .093 .097 .095 .087 .074 .008 164 116
-1.750 -1.900 -1.250 -1.000 -1.250 -1.000 -750 -625 -500 -375 -250 -125 -000 -375 -1000 -375 -1000 -375 -1000 -375	.097 .082 .093 .080 .085 .053 .091 .099 .113 .106 .109 .111 .142 156 215 245 160	.094 .088 .089 .080 .063 .080 .095 .101 .116 .112 .112 .112 .1153 .145 .129 .120 .035	096 095 088 065 068 0068 106 113 116 117 114 117 114 117 117 1146 1137 -1150 -1174 -1174	.097 .086 .068 .076 .089 .102 .111 .112 .117 .112 .122 .140 .133 -1133 -1161 .182	.098 .095 .105 .117 .122 .127 .132 .135 .135 .135 .135 .129 .154	-135 -140 -135 -139 -137 -134 -133 -129 -129 -152	082 076 077 077 067 067 0059 076 084 089 097 098 -161 -156 -156 -156 -132	9 10 11 12 13 14 15 16 17 18 19 20	162 165 183 .093 .097 .095 .087 .074 .008 164 116
-1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -125 -000 -375 -125 -1000 -750 -1000 -750 -1000 -1250 -1250 -1000 -1250 -1500 -1250 -1500 -1500	.097 .082 .093 .080 .085 .053 .091 .099 .113 .106 .109 .111 .142 -164 -215 -245 -160 -115	.094 .088 .089 .080 .063 .095 .101 .112 .112 .145 153 146 185 219 120 035	096 095 088 065 0068 094 106 113 116 117 146 -1137 -140 -150 -174 -122 -077	.097 .086 .068 .076 .089 .102 .111 .112 .117 .119 .122 .140 .1143 .134 .1134 .1133 .161 .182 .155	.098 .095 .105 .117 .122 .127 .132 .135 .131 .135 .129 .154	-135 -140 -135 -139 -127 -134 -133 -135 -134 -129 -129 -152	082 076 0776 0779 0079 0057 0059 0076 0084 0089 0095 0097 0098 0098 0098 0098	9 10 11 12 13 14 15 16 17 18 19 20	162 165 183 .093 .097 .095 .087 .074 .008 164 116
-1.750 -1.900 -1.250 -1.000 -1.250 -1.000 -750 -629 -500 -375 -250 -125 -000 -250 -375 -1000 -375 -1000 -375 -1000 -375 -1000 -375 -1000 -3750	.097 .082 .093 .080 .095 .093 .091 .099 .113 .106 .109 .111 .142 .156 .215 .245 .164 .115 .245 .115	.094 .088 .089 .080 .063 .080 .095 .101 .116 .112 .112 .1145 153 146 185 219 020 .095	096 095 088 065 068 094 106 113 116 117 117 1146 -1137 -146 -137 -140 -150 -174 -174 -174 -174 -174 -174 -174 -174	.097 .086 .068 .076 .089 .102 .111 .117 .117 .119 .122 .140 .134 -1134 -1133 -161 -182 -155 -126	.098 .095 .105 .117 .122 .137 .138 .135 .131 .135 .129 .154	-135 -140 -135 -139 -137 -134 -133 -129 -129 -152	082 076 0776 0779 0079 0057 0059 0076 0084 0089 0095 0097 0098 0098 0098 0098 0098 0098	9 10 11 12 13 14 15 16 17 18 19 20	162 165 183 .093 .097 .095 .087 .074 .008 164 116
-1.750 -1.900 -1.250 -1.000 -750 -629 -550 -375 -250 -125 -000 -750 1.000 1.250 1.500 1.750 2.000 2.250	.097 .082 .093 .080 .085 .053 .091 .099 .113 .106 .109 .111 .142 .156 .245 .160 .115 .091 .109	.094 .088 .089 .080 .080 .095 .101 .116 .112 .112 .145 153 146 120 020 .095 .095	096 095 088 065 068 094 106 113 116 113 117 146 -137 -146 -150 -174 -122 -077 -0041 -0041	.097 .086 .068 .076 .089 .102 .111 .117 .117 .117 .112 .124 .134 .134 .133 .161 .182 .155 .126 .097	.098 .095 .105 .117 .122 .137 .138 .135 .131 .135 .129 .154	-135 -140 -135 -139 -137 -134 -133 -135 -134 -133 -129 -152 -076 -049 -034 -008 -046 -056	082 076 079 076 079 067 059 076 084 089 097 098 -161 -156 -156 -156 -156 009 005 005 005 005 005 005 007 007 007 007	9 10 11 12 13 14 15 16 17 18 19 20	162 165 183 .093 .097 .095 .087 .074 .008 164 116
-1.750 -1.500 -1.250 -1.000 -1.2507506295003752501250003752501250003755001250003755001250002503755007500002503755002502502500250025002500250025002500	.097 .082 .093 .080 .085 .053 .091 .099 .113 .106 .109 .111 .142 156 215 245 160 115 093 004 004 004	.094 .088 .089 .080 .063 .080 .095 .101 .112 .112 .112 .145 .145 .153 .146 .185 .219 .1035 .0052 .0052 .0052	.096 .095 .088 .065 .068 .068 .068 .106 .113 .116 .117 .116 .113 .117 .146 .137 .1174 .140 .150 .174 .174 .174 .174 .174 .174 .174 .174	.097 .086 .068 .076 .089 .102 .111 .112 .117 .119 .122 .140 .134 -119 .133 -161 .1182 .155 -1071 -071	.098 .095 .105 .117 .122 .132 .133 .135 .131 .135 .129 .154	-135 -140 -135 -139 -137 -134 -133 -135 -134 -133 -129 -129 -152	082 076 076 079 0076 0089 0059 0076 0084 0089 0095 0097 0098 0098 0098 0098 0098	9 10 11 12 13 14 15 16 17 18 19 20	162 165 183 .093 .097 .095 .087 .074 .008 164 116
-1.750 -1.900 -1.250 -1.000 -750 -629 -550 -375 -250 -1.25 -000 -750 -1.25 -1.	.097 .082 .093 .080 .085 .053 .091 .099 .113 .106 .109 .111 .142 -156 -215 -215 -160 -1193 -006 -004 .004	.094 .088 .089 .080 .080 .095 .101 .116 .112 .112 .145 153 146 185 219 035 020 .095 .095	.096 .095 .088 .065 .068 .0065 .106 .113 .116 .113 .117 .146 -1137 -1140 -1150 -174 -122 -0077 -0041 -003 .003	.097 .086 .068 .076 .089 .102 .111 .117 .117 .1140 .122 .140 .134 .119 .133 .1161 .182 .195 .195 .195 .195 .195 .195 .195 .195		-135 -140 -135 -139 -137 -134 -133 -135 -134 -133 -129 -152 -076 -049 -034 -008 -046 -056	082 075 079 076 079 0079 0059 0076 0084 0089 0097 0098 0098 -161 -156 -1156 -1132 -040 0099 0058 0034 0009	9 10 11 12 13 14 15 16 17 18 19 20	162 165 183 .093 .097 .095 .087 .074 .008 164 116
-1.750 -1.900 -1.250 -1.000 -750 -625 -500 -375 -250 -125 -000 -250 -125 -1000 -1500	.097 .082 .093 .080 .085 .053 .091 .099 .113 .106 .109 .111 .142 -156 -215 -245 -160 -115 -093 -006 -004 .020	.094 .088 .089 .080 .063 .080 .095 .101 .116 .112 .145 153 146 185 219 .120 .035 .062 .052 .052 .052 .052	.096 .095 .088 .065 .068 .0065 .106 .113 .116 .113 .117 .146 -1146 -1146 -1140 -1150 -1744 -122 -0077 -0041 -003 .003 .003 .012	.097 .086 .068 .076 .089 .102 .111 .117 .119 .122 .140 .143 .1149 .1134 .119 .1182 .119 .119 .119 .119 .119 .119 .119 .11		-135 -140 -135 -139 -137 -133 -133 -133 -129 -129 -152 076 049 034 026 049 034 026 049 034 026 049 034 026 049 034 038 049 038 049 038 049 038 049	082 076 076 079 0076 0089 0059 0076 0084 0089 0095 0097 0098 0098 0098 0098 0098	9 10 11 12 13 14 15 16 17 18 19 20	162 165 183 .093 .097 .095 .087 .074 .008 164 116
-1.750 -1.900 -1.250 -1.000 -1.250 -1.000 -1.750 -625 -500 -375 -250 -125 -000 -375 -1000 -1750 -1050 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000	.097 .082 .093 .080 .085 .053 .091 .099 .113 .106 .111 .142 -156 -215 -164 -115 -245 -160 .115 -093 -004 -004 .020 .020	.094 .088 .089 .080 .063 .080 .095 .101 .116 .112 .112 .112 .115 .145 .153 .146 .129 .120 .035 .0052 .0052 .0052 .0052 .0052 .0052	096 095 088 065 068 094 1106 113 1116 1117 1146 -1137 -1146 -137 -1150 -174 -122 -007 -0041 -003 003 0012 0012	.097 .086 .068 .076 .089 .102 .111 .112 .117 .112 .122 .140 .133 .161 .182 .133 .161 .182 .197 .097 .0051 .0051		-1076 -1049 -1076	082 075 079 076 079 0079 0059 0076 0084 0089 0097 0098 0098 -161 -156 -1156 -1132 -040 0099 0058 0034 0009	9 10 11 12 13 14 15 16 17 18 19 20	- 162 - 165 - 183 .093 .097 .095 .095 .087 .074 .008 - 164 - 116
-1.750 -1.900 -1.250 -1.000 -750 -625 -500 -375 -250 -125 -000 -375 -500 -150 -150 -1500 -	.097 .082 .093 .080 .053 .053 .091 .099 .113 .106 .109 .111 .142 156 215 245 160 115 093 004 .004 .020 .020	.094 .088 .089 .080 .063 .080 .095 .101 .112 .112 .1145 -1153 -146 -185 -219 -120 -035 -052 -052 -054 -031 -001 -001 -001	.096 .095 .088 .065 .068 .0068 .106 .113 .116 .117 .1146 .113 .117 .146 .137 .1140 .1150 .174 .122 .077 .004 .003 .003 .0012 .003 .0012 .0018 .0008	.097 .086 .068 .076 .089 .102 .111 .112 .117 .119 .122 .140 .134 -1119 -1133 -161 -182 -155 -1071 -097 -097 -001 -002 -008 -004	.098 .095 .105 .117 .122 .137 .138 .135 .131 .135 .129 .154 .106 .097 .129 .11	-135 -140 -135 -139 -127 -133 -133 -133 -129 -129 -152 076 049 034 026 049 034 026 049 034 026 049 034 034 034 034 035 049 034 036 049 036 049 036 049 036 049 036 049 036 049 036 049 036 049	082 075 079 076 079 0079 0059 0076 0084 0089 0097 0098 0098 -161 -156 -1156 -1132 -040 0099 0058 0034 0009	9 10 11 12 13 14 15 16 17 18 19 20	- 162 - 165 - 183 .093 .097 .095 .095 .087 .074 .008 - 164 - 116
-1.750 -1.900 -1.250 -1.000 -1.250 -1.000 -1.750 -625 -500 -375 -250 -125 -000 -375 -1000 -1750 -1050 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000 -1750 -1000	.097 .082 .093 .080 .085 .053 .091 .099 .113 .106 .111 .142 -156 -215 -164 -115 -245 -160 .115 -093 -004 -004 .020 .020	.094 .088 .089 .080 .063 .080 .095 .101 .116 .112 .112 .112 .115 .145 .153 .146 .129 .120 .035 .0052 .0052 .0052 .0052 .0052 .0052	096 095 088 065 068 094 1106 113 1116 1117 1146 -1137 -1146 -137 -1150 -174 -122 -007 -0041 -003 003 0012 0012	.097 .086 .068 .076 .089 .102 .111 .112 .117 .112 .122 .140 .133 .161 .182 .133 .161 .182 .197 .097 .0051 .0051		-1076 -1049 -1076	082 075 079 076 079 0079 0059 0076 0084 0089 0097 0098 0098 -161 -156 -1156 -1132 -040 0099 0058 0034 0009	9 10 11 12 13 14 15 16 17 18 19 20	162 165 183 .093 .097 .095 .087 .074 .008 164 116

Table 21
Plate and Spoiler Pressure Coefficients

Configuration 3 M= 2.01 R= 0.30 x 106

				Plate				Spoi	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	00 °				
-6 .000	T003	001	212			21/			
-6.000 -5.500	002 001	001	.010 .011	003	•016 •112	•316		1 2	• 422
-5.000	001	004	.011	005	.274	.338		3	• 375
-4.500	002	002	.011	.000	•314	•340		4	.391
-4.000	002	001	.010	•104	•333	.338	•003	5	. 434
-3.500	004	002	•016	.280	•343	•336	•001	6	.489
-3.000	•017	.096	.269	.314	•347	.332	•002	7	•572
-2.750	•209	• 245	•301	.323	•350	.327			
-2.500	•275	• 289	.315		•351	•322	•168	8 9	260
				• 328			• 272		260
-2.250	•313	•313	•328	• 334	•351	•322	•306	10	260
-2.000 -1.750	•317	•324	•335 •339	• 337 • 341	• 349 • 344	•321	•320	11	260
-1.500	•336	•335	•337	.339	•338	•324	•331 •336	12	• 424
-1.250	•331	•338	•334	.333	• 334	•335	•341		• 368
-1.000	•338	• 335	•329	.321	• 327	.352	.335	14	.387
750	•327	.325	.316	.317	•335	•375	.325	16	• 427
625	•321	.318	.314	.320	• 343	•389	•315		.497
500		.309		.328				17	
375	•319		•317 •330		• 358	•408	• 311	18	•578
	•321	• 325		• 344	• 381	•436	• 323	19	263
250	•346	• 350	• 356	• 379	•421	•463	.347	20	263
125	•406	• 458	•416	. 454	•466	443	•416	21	263
•000	• 456	• 450	• 454	.454	• 466	•461	• 460	22	263
•250	262	259	263	~.258			261		
• 375	261	263	269	262	249		262		
•500	265	261	269	262	253	THE STATE OF	265	48 1 m	
• 750	251	252	262	258	253	255	246	The state of the s	
1.000	211	175	229	247	253	256	205	The same of	
1.250	169	167	183	200	247	256	161	1-1/1-1/1	
1.500	135	126	148	169	237	256	128		
1.750	002	096	121	147	222	253	098		
2.000	082	077	082	125	200	253	079		
2.250	065	060	084	108	159	253	062		
2.500	050	047	071	082	136	253	052		
2.750	041	037	063	058	138	246	045		
3.000	035	032	055	049	122	233	039		
3.500	030	021	036	038	094	213		2434-1	
4.000	026	018	033	027	072	203		La La La	
4.500	022	016	031	018	062	174			
5.000	020	016	026	015	051	153			
5.500	022	012	027	011	042	131			
6.000	021	011	024	007	031	110			
				Λ=	15°				
-6.000	001	•000	•013	•003	•025	•308		1	•399
-5.500	•001	001	.013	001	•203	•324		2	• 361
-5.000	•000	002	•009	003	•299	•331		3	• 348
-4.500	*000	002	.012	•006	•318	•325		4	•358
-4.000	•000	001	•012	•175	•317	•313	•007	5	.389
-3.500	001	004	•028	•278	•316	•309	•006	6	• 435
-3.000	•062	•131	.269	.302	.326	•309	.084	7	•503
			200	.307		•306	.234		
-2.750	• 230	• 253	.289		*328	. 200		8	254
-2.750		• 253	• 304		•333	.299	.279	9	254
	• 230			•312		•299 •294			254 254 254
-2.500	• 230 • 276 • 303	•286 •305	•304 •311	•312 •316	• 333 • 335	•299 •294	•279 •293	9	254 254 254
-2.500 -2.250	•230	•286	•304	•312 •316 •323	.333	•299 •294 •291	• 279 • 293 • 306	9	254 254 254 254
-2.500 -2.250 -2.000	• 230 • 276 • 303 • 299 • 318	•286 •305 •312 •319	•304 •311 •317 •322	•312 •316 •323 •326	• 333 • 335 • 333 • 327	•299 •294 •291 •297	• 279 • 293 • 306 • 312	9 10 11	- · 254 - · 254 - · 254 - · 254 - · 388
-2.500 -2.250 -2.000 -1.750	• 230 • 276 • 303 • 299	•286 •305 •312	•304 •311 •317 •322 •319	• 312 • 316 • 323 • 326 • 324	.333 .335 .333 .327	.299 .294 .291 .297 .304	• 279 • 293 • 306 • 312 • 317	9 10 11 12	254 254 254 254 388 .354
-2.500 -2.250 -2.000 -1.750 -1.500	• 230 • 276 • 303 • 299 • 318 • 316	•286 •305 •312 •319 •320	•304 •311 •317 •322	•312 •316 •323 •326	• 333 • 335 • 333 • 327	•299 •294 •291 •297	• 279 • 293 • 306 • 312	9 10 11 12 13	- · 254 - · 254 - · 254 - · 254 - · 388 · 354 · 344
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250	.230 .276 .303 .299 .318 .316 .293 .313	•286 •305 •312 •319 •320	.304 .311 .317 .322 .319 .319 .310	.312 .316 .323 .326 .324 .314	.333 .335 .333 .327 .316	.299 .294 .291 .297 .304	• 279 • 293 • 306 • 312 • 317 • 319	9 10 11 12 13 14	254 254 254 254 388 .354
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000	• 230 • 276 • 303 • 299 • 318 • 316 • 293 • 313	.286 .305 .312 .319 .320 .321	.304 .311 .317 .322 .319 .319	.312 .316 .323 .326 .324 .314	.333 .335 .333 .327 .316 .308 .302 .311	.299 .294 .291 .297 .304 .314	.279 .293 .306 .312 .317 .319	9 10 11 12 13 14 15	- 254 - 254 - 254 - 254 - 254 - 388 - 354 - 344
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750	• 230 • 276 • 303 • 299 • 318 • 316 • 293 • 313 • 303 • 296	.286 .305 .312 .319 .320 .321 .318	.304 .311 .317 .322 .319 .319 .310 .293	.312 .316 .323 .326 .324 .314 .301	.333 .335 .333 .327 .316 .308 .302 .311	.299 .294 .291 .297 .304 .314 .330	. 279 . 293 . 306 . 312 . 317 . 319 . 315 . 306	9 10 11 12 13 14 15	- · 254 - · 254 - · 254 - · 254 - · 388 · 354 · 359 · 386
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750 625	.230 .276 .303 .299 .318 .316 .293 .313	.286 .305 .312 .319 .320 .321 .318 .305 .297	.304 .311 .317 .322 .319 .319 .310	.312 .316 .323 .326 .324 .314 .301 .290 .296	.333 .335 .337 .327 .316 .308 .302	.299 .294 .291 .297 .304 .314 .330 .355	. 279 . 293 . 306 . 312 . 317 . 319 . 315 . 306 . 299	9 10 11 12 13 14 15 16	- 254 - 254 - 254 - 254 - 254 - 388 - 354 - 344 - 344 - 386 - 441
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750 625 500 375	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297	• 286 • 305 • 312 • 319 • 320 • 321 • 318 • 305 • 297 • 261 • 303	.304 .311 .317 .322 .319 .310 .293 .290 .290 .303	.312 .316 .323 .326 .324 .314 .301 .290 .296 .302	.333 .335 .333 .327 .316 .308 .302 .311 .318 .334	. 299 . 294 . 291 . 297 . 304 . 314 . 330 . 355 . 369 . 385 . 415	.279 .293 .306 .312 .317 .319 .315 .306 .299 .297	9 10 11 12 13 14 15 16 17 18	254 254 254 254 388 . 354 . 349 . 386 . 441 249
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297	• 286 • 305 • 312 • 319 • 320 • 321 • 318 • 305 • 297 • 261	.304 .311 .317 .322 .319 .319 .310 .293 .290	.312 .316 .323 .326 .324 .314 .301 .290 .296	.333 .335 .337 .327 .316 .308 .302 .311 .318 .334 .355	.299 .294 .291 .297 .304 .314 .330 .355 .369	.279 .293 .306 .312 .317 .319 .315 .306 .299 .297 .305	9 10 11 12 13 14 15 16 17	- 254 - 254 - 254 - 254 - 388 - 354 - 344 - 359 - 386 - 441 - 497 - 249 - 249
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 750 625 500 375	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297	• 286 • 305 • 312 • 319 • 320 • 321 • 318 • 305 • 297 • 261 • 303	.304 .311 .317 .322 .319 .310 .293 .290 .290 .303 .328	.312 .316 .323 .326 .324 .314 .301 .290 .296 .302	.333 .335 .333 .327 .316 .308 .302 .311 .318 .334	. 299 . 294 . 291 . 297 . 304 . 314 . 330 . 355 . 369 . 385 . 415	.279 .293 .306 .312 .317 .319 .315 .306 .299 .297	9 10 11 12 13 14 15 16 17 18 19	254 254 254 254 388 . 354 . 349 . 386 . 441 249
-2.500 -2.250 -2.000 -1.750 -1.550 -1.250 -1.250 750 625 500 375 250 125 000	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .381	.286 .305 .312 .319 .320 .321 .318 .305 .297 .261 .303 .324	.304 .311 .317 .322 .319 .319 .310 .293 .290 .290 .303 .328 .389 .422	312 316 323 326 324 314 301 290 302 302 321 355	. 333 . 335 . 337 . 316 . 308 . 302 . 311 . 318 . 355 . 395	. 299 . 294 . 291 . 297 . 304 . 314 . 330 . 355 . 369 . 385 . 415 . 435	. 279 . 293 . 306 . 312 . 317 . 319 . 306 . 299 . 297 . 305 . 325 . 379 . 412	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -125 -125 -125 -125 -125 -125 -125 -125	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .381 .421	.286 .305 .312 .319 .320 .321 .318 .305 .297 .261 .303 .324	.304 .311 .317 .322 .319 .310 .293 .290 .290 .303 .328 .389 .422	.312 .316 .323 .326 .324 .314 .301 .290 .296 .321 .355	. 333 . 335 . 337 . 316 . 308 . 302 . 311 . 318 . 334 . 335 . 395 . 438	. 299 . 294 . 291 . 297 . 304 . 314 . 330 . 355 . 369 . 385 . 415 . 435	279 306 312 317 319 315 306 299 297 325 379 412	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.200 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -125 -125 -000	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .308 .421	.286 .305 .312 .319 .320 .321 .318 .305 .297 .261 .303 .324	304 311 317 322 319 310 293 290 290 290 303 328 389 422	312 316 323 326 324 314 301 296 302 321 355 422	. 333 . 335 . 337 . 316 . 308 . 302 . 311 . 318 . 334 . 355 . 395 . 438 . 433	. 299 . 294 . 291 . 297 . 304 . 314 . 330 . 355 . 369 . 385 . 415 . 435	.279 .279 .306 .312 .317 .319 .315 .306 .299 .297 .325 .379 .412	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -1.25 -000	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .381 .421	286 305 312 319 320 321 318 305 297 261 303 324 425	304 311 317 322 319 310 293 290 290 290 303 328 389 422	. 312 . 316 . 323 . 326 . 324 . 314 . 301 . 290 . 296 . 302 . 321 . 355 . 422	. 333 . 335 . 337 . 316 . 308 . 302 . 311 . 318 . 335 . 355 . 395 . 433	299 294 291 297 304 314 330 355 369 385 415 435	. 279 . 293 . 306 . 312 . 317 . 319 . 315 . 306 . 299 . 297 . 305 . 325 . 379 . 412	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -125 -000 -250 -375 -375 -375 -375 -375 -375 -375 -375	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .303 .296 .294 .297 .318 .325 .325 .325 .325 .325 .325 .325 .325	.286 .305 .312 .319 .320 .321 .318 .305 .297 .261 .303 .324 .425	304 311 317 322 319 310 293 290 290 303 328 389 422 -260 -261 -253	312 316 323 324 314 301 290 302 321 355 422 - 251 - 253 - 254	. 333 . 335 . 337 . 316 . 308 . 302 . 311 . 334 . 355 . 395 . 438 . 433	2294 2294 2201 2297 304 314 3300 2355 385 415 435	.279 .293 .306 .312 .317 .319 .315 .306 .299 .297 .305 .325 .379 .412 .246 .249 .252 .235	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -625 -500 -375 -250 -125 -125 -125 -125 -125 -125 -125 -125	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .381 .421 .256 .255 .260 .245	286 305 312 319 320 321 318 305 297 261 303 324 425 -256 -254 -243 -170	304 311 317 322 319 310 293 290 290 290 303 328 389 422 -254 -260 -261	312 316 323 324 314 301 290 296 302 321 355 422 	. 333 . 335 . 333 . 327 . 316 . 302 . 311 . 318 . 335 . 355 . 433 . 433 . 243 243 2243	299 294 291 297 304 314 330 355 369 385 415 435	. 279 . 293 . 306 . 312 . 317 . 319 . 315 . 306 . 299 . 297 . 305 . 325 . 379 . 412 244 - 249 - 252 - 235 - 194	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -1.250 -1.000 -750 -375 -250 -125 -250 -375 -250 -375 -300 -375 -300 -375 -300 -375 -300 -375 -300 -375 -300 -375 -300 -375 -300 -375 -300 -375 -300 -375 -300 -375 -300 -375 -300 -375 -300 -375 -375 -375 -375 -375 -375 -375 -375	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .381 .421 .256 .255 .260 .245 .245	.286 .305 .312 .319 .320 .321 .318 .305 .297 .261 .303 .324 .425 .252 .254 .254 .243 .170	304 311 317 322 319 319 310 293 290 303 328 389 422 -254 -260 -261 -253 -226 -192	312 316 323 324 314 301 290 296 302 321 355 422 -251 -253 -254 -251 -243	. 333 . 335 . 337 . 316 . 308 . 302 . 311 . 318 . 334 . 335 . 395 . 438 . 433	299 294 291 297 304 314 330 355 389 385 415 430	.279 .293 .306 .312 .317 .319 .315 .306 .299 .297 .325 .325 .325 .412 .246 .249 .2249 .2252 .235 .1156	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -1.550 -625 -500 -375 -250 -125 -1000 -750 -125 -1000 -750 -125 -1000 -750 -125 -1000	.230 .276 .303 .299 .318 .318 .313 .303 .296 .294 .297 .318 .381 .421 .256 .255 .260 .245 .204 .245	286 305 312 319 320 321 318 305 297 261 303 324 425 -252 -254 -243 -170 -1155	304 311 317 322 319 310 293 290 290 290 303 328 389 422 -254 -260 -261 -253 -126 -1156	312 316 323 324 314 301 290 302 321 355 422 -251 -253 -254 -251 -253 -243 -202 -174	. 333 . 335 . 335 . 336 . 327 . 316 . 302 . 311 . 318 . 335 . 395 . 438 . 433 . 243 . 2243 . 2243 . 2243 . 2243 . 2243 . 2243 . 2228	299 294 291 297 304 314 330 335 385 415 435 430	. 279 . 279 . 306 . 312 . 317 . 319 . 315 . 306 . 299 . 299 . 305 . 325 . 379 . 412 249 252 2194 1196 1196 1123	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.250 -1.750 -1.550 -1.250 -1.000 -750 -375 -250 -125 -125 -125 -125 -125 -125 -125 -125	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .381 .421 .256 .255 .260 .245 .245 .245 .245	.286 .305 .312 .319 .320 .321 .318 .305 .297 .261 .303 .324 .425 .252 .256 .254 .243 .170 .165 .125 .1995	304 311 317 322 319 319 310 293 290 290 303 328 389 422 -254 -260 -261 -253 -192 -156 -127	312 316 323 324 314 301 290 296 302 321 355 422 -251 -253 -254 -254 -202 -174	. 333 . 335 . 337 . 316 . 308 . 302 . 311 . 318 . 334 . 335 . 395 . 433 243 243 243 243 2235 2213	299 294 291 297 304 314 330 355 369 385 415 435 -244 -244 -241	.279 .293 .306 .312 .317 .315 .306 .299 .297 .305 .325 .325 .327 .412 .246 .249 .252 .235 .194 .156 .1097	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.000 -1.750 -1.750 -1.500 -1.250 -1.000 -750 -375 -250 -375 -250 -125 -500 -375 -125 -500 -375 -125 -500 -375 -125 -500 -375 -375 -375 -375 -375 -375 -375 -375	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .381 .421 -256 -255 -260 -245 -204 -1160 -1124 .008	286 305 312 319 320 321 318 305 221 318 305 297 261 303 324 425 -252 -256 -254 -243 -170 -165 -125 -095 -174	304 311 317 322 319 319 319 319 329 290 290 290 303 328 389 422 -256 -261 -226 -1156 -127 -082	312 316 323 326 324 314 301 296 302 321 355 422 -251 -253 -254 -251 -2174 -1174 -1174	. 333 . 335 . 335 . 336 . 327 . 316 . 302 . 311 . 318 . 335 . 335 . 438 . 433 . 243 . 2243 . 2243 . 2243 . 2243 . 2243 . 2228 . 2213 . 192	299 294 291 297 304 314 330 355 385 415 435 430	. 279 . 279 . 306 . 312 . 3317 . 3315 . 3306 . 299 . 299 . 305 . 325 . 379 . 412 249 252 252 194 1196 123 1097 1074	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.250 -2.250 -1.500 -1.500 -1.500 -1.625 -500 -375 -250 -1.25 -500 -375 -375 -375 -375 -375 -375 -375 -375	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .381 .421 .256 .255 .260 .245 .204 .160 .124 .008	.286 .305 .312 .319 .320 .321 .318 .305 .297 .261 .303 .324 .425 256 254 254 243 170 165 125 074 075	304 311 317 322 319 319 310 293 290 290 303 328 389 422 -260 -261 -253 -126 -127 -082	312 316 323 324 314 301 290 296 302 321 355 422 -251 -253 -254 -254 -243 -148 -148 -148 -149 -096	. 333 . 335 . 337 . 316 . 308 . 302 . 311 . 318 . 334 . 355 . 395 . 438 . 433 243 243 243 223 213	299 294 291 297 304 314 330 355 369 385 415 435 -244 -244 -244 -244 -241 -238	. 279 . 279 . 306 . 312 . 317 . 315 . 306 . 299 . 297 . 305 . 325 . 379 . 412 246 249 252 252 194 156 194 1077 0077	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.000 -1.750 -1.750 -1.500 -1.250 -1.000 -750 -375 -250 -375 -250 -125 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .381 .421 -256 -255 -260 -1245 -204 .008 -071 -057 -043	286 305 312 319 320 321 318 305 321 318 305 297 261 303 324 425 -252 -256 -243 -170 -165 -074 -056 -043	304 311 317 322 319 319 310 293 290 290 290 303 328 389 422 -256 -126 -127 -082 -082	312 316 323 326 324 314 301 296 302 321 355 422 - 251 - 253 - 254 - 251 - 243 - 243	. 333 . 335 . 335 . 3327 . 316 . 308 . 301 . 318 . 335 . 335 . 335 . 438 . 433 . 243 . 2243 . 2243 . 2243 . 2243 . 2243 . 2228 . 2192 . 171 . 1152	- 244 - 241 - 244 - 241 - 244 - 244 - 244 - 233 - 232	. 279 . 279 . 306 . 312 . 317 . 315 . 306 . 299 . 299 . 305 . 325 . 379 . 412 249 - 252 - 194 1156 - 1123 - 1097 - 0074 - 0057 - 0046	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.250 -2.250 -1.750 -1.500 -1.500 -7.50 -3.75 -5.00 -3.75 -2.50 -1.25 -5.00 -3.75 -2.50 -1.25 -5.00 -3.75 -3.75	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .381 .421 .256 .255 .260 .245 .204 .160 .124 .008	.286 .305 .312 .319 .320 .321 .318 .305 .297 .261 .303 .324 .425 256 254 254 243 170 165 125 074 075	304 311 317 322 319 319 310 293 290 290 303 328 389 422 -260 -261 -253 -126 -127 -082	312 316 323 324 314 301 290 296 302 321 355 422 -251 -253 -254 -251 -243 -243 -148 -148 -190 -174 -148 -190 -190 -190 -190 -190 -190 -190 -190	. 333 . 335 . 337 . 316 . 308 . 302 . 311 . 318 . 334 . 355 . 395 . 438 . 433 243 243 243 223 213	299 294 291 297 304 314 330 355 369 385 415 435 -435 -244 -244 -244 -241 -221 -233 -232 -232	. 279 . 279 . 306 . 312 . 317 . 319 . 315 . 306 . 299 . 297 . 305 . 325 . 379 . 412 . 246 . 249 . 252 235 1194 1123 097 0074 0057 0046 0035	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.000 -1.750 -1.750 -1.500 -1.250 -1.000 -750 -375 -250 -375 -250 -125 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000 -275 -000	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .381 .421 .256 .255 .260 .245 .204 .008 .071 .057 .043	286 305 312 319 320 321 318 305 321 318 305 297 261 303 324 425 -252 -256 -243 -170 -165 -074 -056 -043	304 311 317 322 319 319 310 293 290 290 290 303 328 389 422 -260 -261 -253 -226 -1156 -127 -082 -082 -062 -062	312 316 323 326 324 314 301 296 302 321 355 422 - 251 - 253 - 254 - 251 - 243 - 243	. 333 . 335 . 335 . 3327 . 316 . 308 . 301 . 318 . 335 . 335 . 335 . 438 . 433 . 243 . 2243 . 2243 . 2243 . 2243 . 2243 . 2228 . 2192 . 171 . 1152	- 244 - 241 - 244 - 241 - 244 - 244 - 244 - 233 - 232	. 279 . 279 . 306 . 312 . 317 . 315 . 306 . 299 . 299 . 305 . 325 . 379 . 412 249 - 252 - 194 1156 - 1123 - 1097 - 0074 - 0057 - 0046	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.250 -2.2000 -1.750 -1.500 -1.250 -1.0000 -375 -250 -1.25 -1.2	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .381 .421 .256 .255 .260 .245 .260 .124 .008 .071 .057 .043 .038	286 305 312 319 320 321 318 305 297 261 303 324 425 -256 -254 -243 -170 -165 -095 -074 -056 -043 -034	304 311 317 322 319 319 310 293 290 290 290 303 328 389 422 -260 -261 -253 -226 -1156 -127 -082 -082 -062 -062	312 316 323 324 314 301 290 296 302 321 355 422 -251 -253 -254 -251 -243 -243 -148 -148 -190 -174 -148 -190 -190 -190 -190 -190 -190 -190 -190	. 333 . 335 . 333 . 327 . 316 . 300 . 311 . 318 . 335 . 355 . 395 . 433 . 243	299 294 291 297 304 314 330 355 369 385 415 435 -435 -244 -244 -244 -241 -221 -233 -232 -232	. 279 . 279 . 306 . 312 . 317 . 319 . 315 . 306 . 299 . 297 . 305 . 325 . 379 . 412 . 246 . 249 . 252 235 1194 1123 097 0074 0057 0046 0035	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.250 -2.000 -1.750 -1.500 -1.500 -7.50 -6.25 -5.000 -3.75 -2.50 -1.25 -1.000 -7.50 -1.25 -1.000 -7.50 -1.25 -1.000 -7.50 -1.25 -1.000 -7.50 -1.25 -1.000 -7.50 -1.25 -1.000 -1.250 -1.	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .381 .421 .256 .255 .260 .245 .260 .124 .008 .071 .057 .043 .038	.286 .305 .312 .319 .320 .321 .318 .305 .297 .261 .303 .324 .425 .254 .254 .254 .254 .255 .170 .1056 .0074 .0056 .0034 .0034	304 311 317 322 319 310 293 290 290 290 303 328 389 422 -254 -261 -253 -127 -082 -082 -081 -046 -033	312 316 323 324 324 314 301 296 302 321 355 422 -251 -253 -254 -251 -243 -251 -120 -077 -062 -051	. 333 . 335 . 337 . 316 . 302 . 311 . 318 . 334 . 335 . 335 . 433 243 	-299 -294 -291 -297 -304 -310 -314 -330 -355 -369 -365 -415 -430 -244 -244 -244 -241 -238 -233 -232 -237	. 279 . 279 . 306 . 312 . 317 . 319 . 315 . 306 . 299 . 297 . 305 . 325 . 379 . 412 . 246 . 249 . 252 235 1194 1123 097 0074 0057 0046 0035	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.200 -1.750 -1.500 -1.500 -1.625 -5000 -375 -250 -1.25 -0000 -250 -375 -250 -1.25 -5000 -750 -750 -750 -750 -750 -750 -7	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .381 .4212562552602452041160124 .008071057043036034036	.286 .305 .312 .319 .320 .321 .318 .305 .297 .261 .303 .324 .425 .252 .256 .254 .243 .170 .165 .170 .165 .043 .043 .043 .044 .044 .044 .044 .044	304 311 317 322 319 319 310 293 290 290 303 328 389 422 -254 -260 -261 -253 -226 -192 -156 -127 -082 -082 -062 -064 -030 -026	312 316 323 324 314 301 290 296 302 355 422 -251 -253 -254 -251 -254 -254 -202 -174 -148 -109 -096 -007 -0051 -002	. 333 . 335 . 337 . 316 . 308 . 302 . 311 . 318 . 334 . 335 . 335 . 433 . 243 . 243 . 243 . 243 . 243 . 243 . 213 . 213 . 213 . 192 . 117 . 152 . 117 . 086 . 068	- 244 - 244 - 241 - 244 - 244 - 244 - 241 - 238 - 232 - 237 - 208 - 195	. 279 . 279 . 306 . 312 . 317 . 319 . 315 . 306 . 299 . 297 . 305 . 325 . 379 . 412 . 246 . 249 . 252 235 1194 1123 097 0074 0057 0046 0035	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -1.500 -750 -625 -5000 -375 -250 -1000 -250 -375 -1000 -250 -375 -500 -750 -1000 -250 -250 -250 -250 -250 -250 -250 -	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .381 .421 .256 .255 .260 .245 .204 .160 .124 .008 .071 .057 .043 .038 .036 .034 .032 .026	.286 .305 .312 .319 .320 .321 .318 .305 .297 .261 .303 .324 .425 .252 .254 .254 .255 .170 .105 .095 .074 .036 .037 .037 .038 .039 .039 .039 .039 .039 .039 .039 .039	304 311 317 322 319 310 293 290 290 290 303 328 389 422 -254 -260 -261 -253 -126 -1156 -1156 -127 -080 -0062 -030 -030 -030 -030 -030 -030 -030 -03	312 316 323 324 314 301 290 302 321 355 422 -251 -254 -254 -251 -254 -254 -254 -254 -264 -27 -27 -27 -27 -27 -27 -27 -27 -27 -27	. 333 . 335 . 333 . 327 . 316 . 302 . 311 . 318 . 334 . 355 . 395 . 438 . 433 . 243 . 2243 . 2243 . 2243 . 2243 . 2243 . 2243 . 2243 . 2243 . 2213 . 2117 . 192 . 171 . 192 . 192 . 192 . 193 . 194 . 195 . 196 . 196	299 294 291 297 304 314 330 355 369 385 415 435 -244 -244 -244 -244 -224 -224 -221 -223 -232 -231 -227 -208 -195	. 279 . 279 . 306 . 312 . 317 . 319 . 315 . 306 . 299 . 297 . 305 . 325 . 379 . 412 . 246 . 249 . 252 235 1194 1123 097 0074 0057 0046 0035	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249
-2.500 -2.250 -2.250 -1.500 -1.750 -1.500 -1.250 -1.000 -375 -250 -1.25	.230 .276 .303 .299 .318 .316 .293 .313 .303 .296 .294 .297 .318 .381 .4212562552602452041160124 .008071057043036034036	.286 .305 .312 .319 .320 .321 .318 .305 .297 .261 .303 .324 .425 .252 .256 .254 .243 .170 .165 .170 .165 .043 .043 .043 .044 .044 .044 .044 .044	304 311 317 322 319 319 310 293 290 290 303 328 389 422 -254 -260 -261 -253 -226 -192 -156 -127 -082 -082 -062 -064 -030 -026	312 316 323 324 314 301 290 296 302 355 422 -251 -253 -254 -251 -254 -254 -202 -174 -148 -109 -096 -007 -0051 -002	. 333 . 335 . 337 . 316 . 308 . 302 . 311 . 318 . 334 . 335 . 335 . 433 . 243 . 243 . 243 . 243 . 243 . 243 . 213 . 213 . 213 . 192 . 117 . 152 . 117 . 086 . 068	- 244 - 244 - 241 - 244 - 244 - 244 - 241 - 238 - 232 - 237 - 208 - 195	. 279 . 279 . 306 . 312 . 317 . 319 . 315 . 306 . 299 . 297 . 305 . 325 . 379 . 412 . 246 . 249 . 252 235 1194 1123 097 0074 0057 0046 0035	9 10 11 12 13 14 15 16 17 18 19 20 21	- 254 - 254 - 254 - 254 - 388 - 354 - 389 - 386 - 441 - 497 - 249 - 249 - 249

Table 21 Continued
Plate and Spoiler Pressure Coefficients Configuration 3 M= 2.01 R= 0.30 x 106

	20			Plate				Spo	oiler
x,in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
	- 1			Λ=	30 °				
						201			• 309
-6.000 -5.500	•003	001	•014 •016	•001	•027	•296 •270		2	. 280
-5.000	.004	005	.011	.001	•315	•221		3	• 276
-4.500	.001	002	•015	.208	•307	.193		4	.285
-4.000	.001	001	.134	• 266	.292	•177	.009	5	. 303
-3.500	•122	.174	• 255	.267	•274	.171	•045	6	.319
-3.000	•226	.237	•265	.260	.257	.174	.219	7	• 349
-2.750	•240	.252	•258	.254	.249	•174	• 240	8	232
-2.500	•243	.250	• 253	• 249	.241	•175	• 253	9	233
-2.250	•252	.250	•251	• 244	• 234	•174	• 258	10	236 231
-2.000	•240	.246	•249	• 242	•233	•173	• 261	11	• 326
-1.750	•249	• 250	•249	• 239	•227	•181 •191	• 266 • 270	13	• 305
-1.500 -1.250	•245	·246 ·248	•240	• 236 • 230	·219 ·217	•206	.273	14	. 296
-1.000	•242	.244	•231	•221	•219	•206 •225	• 274	15	• 309
750	•237	.238	•224	•219	.226	•250	• 269	16	• 322
625	•232	.234	•221	.216	.232	• 264	.263	17	• 350
500	•233	.204	.220	.221	•244	•287	.259	18	• 371
375	•226	.232	•225	• 236	• 265	•312	. 265	19	230
250	•242	.244	• 243	• 263	•297	•335	.280	20	230
125	•291		• 296		•337		.318	21	230
•000	•338	.344	•338	• 339	•351	•348	.338	22	230
• 250	237	235	240	235			225		
•375	242	239	245	239	221		230		
•500	246	238	245	238	221		230		
.750	225	227	239	233	221	218	214		
1.000	194	162	225	230	221	218	189		
1.250	162	167	195	193	215	218	159		
1.500	135	136	168	174	213	214	132		
1.750	005	114	148	155	202	213	110		
2.000	094	096	104	136	190	214	092 079		
2.250	077	081	108	118	175 162	213 213	069		
2.500	066	071	091	103	148	213	061		
2.750	057	059	082	074	132	218	054		
3.000	049 041	036	053	055	106	195			
3.500	032	031	051	042	084	184			
4.500	024	027	042	032	070	172			
5.000	013	020	037	026	057	153			
			035		049	136			
5.500	013	013		022				0.2 0.2	
6.000	013	013	030	018	041	117			
				018		117			1111111111111
6.000	006	004	-•030	Λ=	-•041	•302		1	•185
-6.000				Λ= •000 •001	-•041 45°	-•117 •302 •294		2	.146
6.000	006	004 002 002 004	-•030 •011 •009 •008	-•018 A= •000 •001 -•004	-•041 45° •019 •031 •268	117 .302 .294 .219		2 3	•146 •125
-6.000 -5.500 -5.000 -4.500	006 002 002 .001 001	004 002 002 004 004	•011 •009 •008 •011	018 A= .000 .001 004 .148	041 45° .019 .031 .268 .288	117 .302 .294 .219 .173		2 3 4	•146 •125 •130
-6.000 -5.500 -5.000 -4.500 -4.000	006 002 002 001 001 001	004 002 002 004 004 .040	•011 •009 •008 •011 •168	-•018 A= •000 •001 -•004 •148 •244	041 45° .019 .031 .268 .288 .274	117 .302 .294 .219 .173 .146	•121	2 3 4 5	•146 •125 •130 •161
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500	006 002 002 001 001 058 193	004 002 002 004 004 004 .040 .201	030 .011 .009 .008 .011 .168 .238	018 A= .000 .001004 .148 .244 .244	041 45° .019 .031 .268 .288 .274 .241	117 .302 .294 .219 .173 .146 .122	•172	2 3 4 5 6	•146 •125 •130 •161 •194
-6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.000	006 002 002 001 001 058 1193 204	004 002 002 004 004 .004 .201 .219	030 .011 .009 .008 .011 .168 .238 .234	018 A= .000 .001004 .148 .244 .244 .231	041 .019 .031 .268 .288 .274 .241 .189	117 .302 .294 .219 .173 .146 .122 .108	•172 •182	2 3 4 5 6 7	.146 .125 .130 .161 .194
-6.000 -5.500 -5.500 -4.500 -4.000 -3.500 -2.750	006 002 002 001 001 058 193 204 207	004 002 002 004 004 .040 .201 .219 .219	030 .011 .009 .008 .011 .168 .238 .234 .221	018 A= .000 .001004 .148 .244 .244 .231 .213	041 45° .019 .031 .268 .288 .274 .241 .189 .159	117 .302 .294 .219 .173 .146 .122 .108	.172 .182 .182	2 3 4 5 6 7 8	• 146 • 125 • 130 • 161 • 194 • 246 • • 186
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500	006 002 002 001 001 058 193 204 207 200	004 002 002 004 004 004 0201 219 219 208	030 .011 .009 .008 .011 .168 .238 .234 .221 .213	018 A= .000 .001004 .148 .244 .231 .213 .193	041 45° .019 .031 .268 .288 .274 .241 .189 .159	117 -302 -294 -219 -173 -146 -122 -108 -102 -096	•172 •182 •182 •182	2 3 4 5 6 7 8 9	• 146 • 125 • 130 • 161 • 194 • 246 • - 186 • - 228
6.000 -6.000 -5.500 -5.500 -4.500 -4.000 -3.500 -3.500 -2.750 -2.250	006 002002001001001058193204207200204	004 002 002 004 004 004 201 219 219 219 208 205	030 .011 .009 .008 .011 .168 .238 .234 .221 .213 .196	018 A= .000 .001004 .148 .244 .231 .213 .193 .168	041 45° .019 .031 .268 .288 .274 .241 .189 .159 .140 .120	117 -302 -294 -219 -173 -146 -122 -108 -102 -096 -089	.172 .182 .182 .182 .180	2 3 4 5 6 7 8	• 146 • 125 • 130 • 161 • 194 • 246 • • 186
6.000 -6.000 -5.500 -9.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250	006 002002001001001058193204207200204180	004 002 002 004 004 004 201 219 219 208 205 190	030 .011 .009 .008 .011 .168 .238 .234 .221 .213 .196 .179	018 A= .000 .001004 .148 .244 .244 .231 .213 .193 .168 .140	041 45° .019 .031 .268 .274 .241 .189 .159 .140 .120 .110	117 .302 .294 .219 .173 .146 .122 .108 .102 .096 .089 .087	.172 .182 .182 .182 .180 .178	2 3 4 5 6 7 8 9	.146 .125 .130 .161 .194 .246 186 228 228 215
6.000 -6.000 -5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.250 -2.250 -2.250	006 002002001001001058193204207200204180177	004 002 002 004 004 004 219 219 219 208 205 190 172	030 .011 .009 .008 .011 .168 .238 .221 .213 .196 .179 .155	018 A= .000 .001004 .148 .244 .231 .213 .193 .168 .140 .118	041 45° .019 .031 .268 .288 .274 .189 .159 .140 .120 .110	117 -302 -294 -219 -173 -146 -122 -108 -102 -096 -089	.172 .182 .182 .182 .180 .178 .177	2 3 4 5 6 7 8 9 10 11 12 13	.146 .125 .130 .161 .194 .246 186 228 228 225 .193
6.000 -6.000 -5.500 -9.000 -4.500 -3.500 -3.500 -2.750 -2.500 -2.2500 -2.500 -1.750	006 002002001001058193204207200204180177147	004 002 002 004 004 004 201 219 219 208 205 190	030 .011 .009 .008 .011 .168 .238 .234 .221 .213 .196 .179	018 A= .000 .001004 .148 .244 .244 .231 .213 .193 .168 .140	041 45° .019 .031 .268 .288 .274 .241 .189 .159 .140 .120 .110 .097 .089	-302 -294 -219 -173 -146 -122 -096 -087 -092 -101 -110	.172 .182 .182 .182 .180 .178 .177 .177	2 3 4 5 6 7 8 9 10 11 12 13	.146 .125 .130 .161 .194 .246 186 228 228 215 .193 .165
6.000 -6.000 -5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.250 -2.250 -2.250	006 002002001001001058193204207200204180177	004 002 002 004 004 004 201 219 208 205 190 172 144 117 096	-030 011 009 008 011 168 238 234 221 213 196 179 155 121 102 086	018 A= .000 .001004 .148 .244 .231 .213 .193 .193 .168 .140 .118 .098 .085	041 45° .019 .031 .268 .288 .274 .241 .189 .159 .140 .120 .110 .097 .089 .088	117 -302 -294 -219 -173 -146 -122 -108 -102 -096 -087 -092 -101 -110	.172 .182 .182 .182 .180 .178 .177 .177 .173	2 3 4 5 6 7 8 9 10 11 12 13 14	.146 .125 .130 .161 .194 .246 186 228 228 215 .193 .165
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.750	006 002002001001058193204207200204180177147111098077	004 002 002 004 004 004 201 219 208 209 209 219 208 209 209 201 	-030 -011 -009 -008 -011 -168 -238 -221 -213 -119 -155 -121 -102 -086 -077	018 A = .000 .001 .004 .148 .244 .231 .213 .168 .140 .118 .098 .085 .077	041 45° .019 .031 .268 .288 .274 .241 .189 .159 .140 .120 .110 .097 .089 .088 .098	117 -302 -294 -219 -173 -146 -122 -108 -102 -096 -089 -087 -092 -101 -110 -124 -151	.172 .182 .182 .182 .180 .178 .177 .177 .173 .163	2 3 4 5 6 7 8 9 10 11 12 13 14 15	.146 .125 .130 .161 .194 .246 186 228 225 .193 .165 .153 .166 .181
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.750 -1.500 -1.750 -1.500 -1.750	006 002002001001058193204207200204180177111098077072	004 002002004004004004019219208205190172144117096078	030 .011 .009 .008 .011 .168 .238 .221 .213 .196 .179 .155 .121 .102 .086 .072	018 A= .000 .001004 .148 .244 .231 .193 .168 .140 .118 .098 .085 .077 .071	041 45° .019 .031 .268 .288 .274 .241 .189 .159 .140 .120 .110 .097 .089 .082 .088 .098	-302 294 219 173 146 122 108 102 008 089 087 092 101 110 124 151	.172 .182 .182 .182 .180 .178 .177 .177 .173 .163 .146	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	.146 .125 .130 .161 .194 .246 228 228 228 .193 .165 .153 .166 .181
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.750 -1.600 -7.750 -6.25	006 002002001001058193204207200204180177147111098077072070	004 002004004004004004201219208205190172144117096072050	-030 -011 -009 -008 -011 -168 -238 -221 -213 -196 -179 -155 -121 -102 -086 -072 -068	018 A = .000 .001 .004 .148 .244 .231 .213 .168 .140 .098 .085 .077 .073 .084	041 45° .019 .031 .268 .288 .274 .241 .189 .159 .140 .120 .089 .088 .098 .106	117 -302 -294 -219 -173 -146 -122 -108 -102 -096 -087 -092 -101 -114 -151 -168 -184	.172 .182 .182 .182 .180 .178 .177 .173 .163 .146 .133	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	.146 .125 .130 .161 .194 .246 288 228 215 .165 .153 .166 .181
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.750 -1.500 -1.750 -5.500 -3.75	006 002002001001058193204207200204180177147111098077070	004 00200400400400400401201219205190172144117096078072050076	030 .011 .009 .008 .011 .168 .238 .224 .221 .213 .196 .179 .155 .121 .102 .086 .072 .088	018 A= .000 .001004 .148 .244 .231 .193 .168 .140 .118 .098 .077 .071 .073 .084 .099	041 45° .019 .031 .268 .288 .274 .241 .189 .159 .140 .120 .097 .089 .088 .098 .098 .106 .120 .147	-302 294 219 173 146 122 108 102 009 087 099 101 110 124 151 168	.172 .182 .182 .180 .178 .177 .173 .163 .146 .133 .123	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	146 125 130 161 194 246 -186 -228 -228 -228 -2215 193 165 153 166 181 207 213
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.750 -1.625 -500 -3.375 -2.500	006 002002001001058193204207200204180177147111098077077077077077077097	004 002004004004004004201219208205190172144117096072050	030 .011 .009 .008 .011 .168 .238 .221 .213 .196 .179 .155 .121 .102 .086 .077 .088	018 A = .000 .001 .004 .148 .244 .231 .213 .168 .140 .098 .085 .077 .073 .084	041 45° .019 .011 .268 .288 .274 .241 .189 .159 .140 .110 .097 .082 .088 .098 .106 .120 .110 .191 .191 .191 .191 .191 .191	117 -302 -294 -219 -173 -146 -122 -108 -102 -096 -087 -092 -101 -114 -151 -168 -184	.172 .182 .182 .182 .180 .178 .177 .173 .163 .146 .133 .123 .126	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	146 125 130 161 194 246 -186 -228 -228 -215 165 153 166 181 207 213 -200
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.750 -1.500 -1.250 -2.250	006 002002001001001058193204207200204180177147111098077072070077	004 002004004004004004009019219208205190172144117096078078076103	030 .011 .009 .008 .011 .168 .238 .224 .221 .1196 .179 .155 .121 .102 .086 .067 .086 .067	018 A = .000 .001004 .148 .244 .231 .213 .168 .140 .118 .098 .085 .077 .073 .084 .099 .140	041 45° .019 .031 .268 .288 .274 .241 .189 .140 .120 .110 .097 .089 .088 .098 .106 .120 .147 .192 .228	-302 294 219 173 146 122 108 102 009 087 099 101 110 124 151 168	.172 .182 .182 .180 .178 .177 .173 .163 .146 .133 .123	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	.146 .125 .130 .161 .194 .246 186 .228 228 .215 .163 .166 .181 .207 .213
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.750 -1.625 -500 -3.375 -2.500	006 002002001001058193204207200204180177147111098077077077077077077097	004 00200400400400400400401119219208205190172144117096078078078078078078078078078078078078078078078078078078	030 .011 .009 .008 .011 .168 .238 .224 .221 .179 .155 .121 .102 .086 .067 .080 .104 .181 .207	018 A = .000 .001004 .148 .244 .231 .213 .168 .140 .118 .098 .085 .077 .073 .084 .099 .140 .210	041 45° .019 .011 .268 .288 .274 .241 .189 .159 .140 .110 .097 .082 .088 .098 .106 .120 .110 .191 .191 .191 .191 .191 .191	117 -302 -294 -219 -173 -146 -122 -108 -102 -006 -089 -097 -101 -110 -124 -151 -168 -184 -213 -228	.172 .182 .182 .182 .180 .178 .177 .177 .173 .163 .146 .133 .126 .142 .190 .211	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 163 . 166 . 181 . 207 . 213 . 200 200 200
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	006 002002001001001058193204207200204207200204207200204207207207207203	004 002002004004004004004019219208208208208208208208208208	030 .011 .009 .008 .011 .168 .238 .221 .213 .196 .179 .155 .121 .102 .006 .072 .068 .067 .080 .104 .181 .207	018 A = .000 .001 .004 .148 .244 .231 .213 .193 .168 .085 .077 .071 .073 .084 .099 .140 .210	041 45° .019 .011 .268 .288 .274 .241 .189 .159 .140 .110 .097 .088 .098 .068 .078 .120 .111 .111 .111 .111 .111 .111 .111	117 -302 -294 -219 -173 -146 -122 -108 -102 -006 -089 -097 -101 -110 -124 -151 -168 -184 -213 -228	172 182 182 182 180 178 177 177 173 163 146 133 123 126 142 142 190 211	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 163 . 166 . 181 . 207 . 213 . 200 200 200
-6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.500 -1.250	006 002002001001058193204207200204180177147111098077072070070070097170209228	004 00200200400400400401219219208205172117096172117096103208203231	030 .011 .009 .008 .011 .168 .238 .221 .213 .196 .179 .155 .121 .102 .086 .077 .086 .067 .080 .104 .181 .207	018 A = .000 .001 .004 .148 .244 .231 .193 .168 .140 .118 .098 .077 .071 .073 .084 .099 .140 .210	041 45° .019 .031 .268 .288 .274 .241 .189 .159 .140 .120 .110 .097 .089 .098 .098 .098 .106 .120 .147 .192 .228 .216	117 -302 -294 -219 -173 -146 -122 -108 -102 -006 -089 -097 -101 -110 -124 -151 -168 -184 -213 -228	172 182 182 182 182 180 177 177 177 173 163 146 133 126 129 129 121	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 163 . 166 . 181 . 207 . 213 . 200 200 200
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.750 -2.250 -1.750 -1.500 -1.750 -1.500 -1.750 -1.250	006 002002001001058204207200204180177147111098077070070070070070070203209228226	004 002002004004004004004201219205190172144117096078070070070070000	030 .011 .009 .008 .011 .168 .238 .224 .221 .213 .196 .179 .155 .121 .102 .086 .072 .088 .067 .080 .104 .181 .207 206231248	018 A = .000 .001 .004 .148 .244 .231 .213 .193 .168 .140 .118 .085 .077 .071 .073 .084 .099 .140 .210198234	041 45° .019 .031 .268 .288 .288 .274 .241 .189 .159 .140 .110 .097 .089 .098 .098 .098 .098 .106 .120 .147 .192 .228 .216	117 -302 -294 -219 -173 -146 -122 -108 -102 -096 -087 -092 -101 -110 -151 -168 -184 -213 -228	.172 .182 .182 .182 .180 .178 .177 .177 .173 .163 .123 .126 .133 .126 .142 .190 .211	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 163 . 166 . 181 . 207 . 213 . 200 200 200
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.750 -2.250 -1.750 -1.500 -1.750 -6.25 -5.00 -3.75 -2.500 -2.500 -3.75 -2.500 -3.75 -5.500 -3.75 -7.500 -3.75 -7.500	006 002002001001058193204207200204180177147111098077072070070070070070203228226163	004 00200200400400400401219219208205190172117096103208203231239198	030 .011 .009 .008 .011 .168 .238 .221 .213 .196 .179 .155 .121 .102 .086 .067 .080 .104 .181 .207 .248	018 A = .000 .001 .004 .148 .244 .231 .213 .168 .140 .118 .098 .077 .071 .073 .084 .099 .140 .210	041 45° .019 .031 .268 .288 .288 .274 .241 .189 .159 .140 .120 .110 .097 .082 .088 .098 .106 .120 .147 .1228 .216	117 -302 -294 -219 -173 -146 -122 -108 -102 -096 -087 -092 -101 -110 -1151 -188 -184 -213 -228 -213	172 182 182 182 182 180 177 177 173 163 146 123 126 129 129 121 129 121	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 163 . 166 . 181 . 207 . 213 . 200 200 200
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.250 -2.250 -2.250 -2.250 -1.750 -1.250 -1	006 002002001001001058193204207200204180177147111098077072070077072070077070	004 002004004004004004004009219208208203203203203203203203203203203203203203203203203	030 .011 .009 .008 .011 .168 .238 .221 .213 .196 .179 .155 .121 .102 .086 .067 .086 .067 .086 .104 .181 .207206231248240203	018 A = .000 .001 .004 .148 .244 .231 .213 .193 .168 .140 .118 .098 .085 .077 .073 .084 .099 .140 .210198 .2234239 .229	041 45° .019 .031 .268 .288 .274 .241 .189 .140 .120 .110 .097 .089 .088 .098 .106 .120 .147 .192 .228 .216	117 -302 -294 -219 -173 -146 -122 -108 -102 -096 -087 -092 -101 -110 -151 -168 -184 -213 -228 -213	.172 .182 .182 .182 .180 .178 .177 .177 .173 .163 .123 .126 .133 .126 .142 .190 .211	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 163 . 166 . 181 . 207 . 213 . 200 200 200
-6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.5500 -2.5500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.250	006 002002001001058193204207200204180177147111098077072070070070070070203228226163108	004 00200200400400400401219208	030 .011 .009 .008 .011 .168 .238 .221 .213 .196 .179 .155 .121 .102 .086 .067 .086 .067 .080 .104 .181 .207 .248 .221 .223 .234 .221 .234 .223 .234 .221 .234 .221 .234 .221 .234 .221 .234 .222 .234 .223 .224 .223 .226 .226 .226 .226 .226 .226 .226	018 A = .000 .001 .004 .148 .244 .231 .213 .168 .098 .077 .071 .073 .084 .099 .140 .210 .2198 .2198 .2199 .2199 .2299 .2299 .174	041 45° .019 .031 .268 .288 .274 .241 .189 .159 .140 .120 .110 .097 .089 .106 .120 .147 .192 .228 .216 189195202189195202189190	117 -302 -294 -219 -173 -146 -122 -108 -102 -096 -087 -092 -101 -114 -151 -188 -184 -213 -228 -213	172 182 182 182 180 178 177 177 173 163 123 124 123 124 190 211	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 163 . 166 . 181 . 207 . 213 . 200 200 200
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.250 -2.000 -1.750 -1.250 -1.000 -7.50 -3.75 -2.500 -3.75 -3.	006 002002001001001058193204207200204180077077077077077077077077077070	004 002002004004004004004009019219205190172144117096078078078078078078078078078078078078078078078078078078088	030 .011 .009 .008 .011 .168 .238 .221 .213 .196 .179 .155 .121 .102 .086 .067 .086 .067 .080 .104 .181 .207206231248249203158	018 A = .000 .001 .004 .148 .244 .231 .213 .193 .168 .140 .118 .098 .085 .077 .073 .084 .099 .140 .210198 .2234239 .229	041 45° .019 .031 .268 .288 .274 .241 .189 .140 .120 .110 .097 .089 .088 .098 .106 .120 .147 .192 .228 .216	117 -302 -294 -219 -173 -146 -122 -108 -102 -096 -087 -092 -101 -110 -151 -168 -184 -213 -228 -213	172 182 182 182 180 177 177 177 173 163 146 133 126 126 129 120 121 142 190 211 -201 -203 -192 -192 -1192 -1192 -1192 -1192 -1192 -1192	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 165 . 163 . 166 . 181 . 207 . 213 . 200 200 200 200
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.250 -1.750 -1.500 -1.250 -1.750 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750 -1.750	006 002002001001058193204207200204180177147111098077077077077070	004 00200200400400400401219208205172144117096078078078078231231239113105085075	-030 -011 -009 -008 -011 -168 -238 -221 -213 -196 -179 -155 -121 -102 -086 -067 -080 -104 -181 -207 -206 -231 -248 -240 -203 -158 -121 -093	018 A = .000 .001 .004 .148 .244 .231 .213 .193 .168 .098 .077 .071 .073 .084 .099 .140 .210 .219 .219 .229 .229 .174 .139 .1174	041 45° .019 .031 .268 .288 .274 .241 .189 .159 .140 .120 .110 .097 .089 .088 .098 .106 .120 .147 .192 .228 .216 -189 -195 -202 -189 -199 -198 -198 -198 -198 -198 -198	117 -302 -294 -219 -173 -146 -122 -096 -087 -092 -101 -110 -124 -151 -168 -184 -213 -228 -213	172 182 182 182 180 178 177 177 173 163 146 133 126 142 190 211	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 163 . 166 . 181 . 207 . 213 . 200 200 200
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -7.50 -6.25 -5.00 -3.75 -2.50 -1.250	006 0020020010010010058193204207200204180077072077077077077077077077070086	004 002002004004004004004009019219208205190172144117096078078078239103239113239113085067	030 .011 .009 .008 .011 .168 .238 .221 .213 .196 .179 .155 .121 .102 .086 .067 .086 .010 .181 .207 .206 .231 .248 .221 .231 .248 .227 .248 .227	018 A = .000 .001 .004 .148 .244 .231 .213 .168 .140 .118 .098 .085 .077 .073 .084 .099 .140 .210198 .2215 .234 .239 .229 .174 .139	041 45° .019 .031 .268 .288 .274 .241 .189 .159 .140 .120 .110 .097 .089 .088 .098 .106 .120 .147 .192 .228 .216 -189 -195 -202 -189 -199 -198 -198 -198 -198 -198 -198	117 -302 -294 -219 -173 -146 -122 -108 -102 -096 -087 -092 -101 -110 -1151 -188 -228 -213 -179 -166 -175 -189 -1779 -1772	172 182 182 182 182 180 180 177 177 177 177 173 163 146 133 126 142 190 211 -201 -203 -192 -170 -156 -132 -116 -094	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 163 . 166 . 181 . 207 . 213 . 200 200 200
6.000 -6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -2.5500 -2.250 -2.250 -2.250 -1.500 -1.500 -1.250	006 002002001001058193204207200204180180180198077077077077077077077070086086087086	004 002002004004004004012012192082051721441170960760761032312391198105085067067	-030 -011 -009 -008 -011 -168 -238 -221 -213 -196 -121 -102 -086 -077 -086 -080 -104 -181 -207 -206 -231 -248 -240 -203 -158 -121 -093 -055 -066	018 A = .000 .001 .004 .148 .244 .231 .213 .168 .140 .118 .098 .085 .077 .077 .077 .073 .084 .099 .140 .210198 .215234 .239 .219 .112 .093	041 45° .019 .031 .268 .288 .274 .241 .189 .159 .140 .120 .110 .097 .089 .098 .098 .106 .120 .147 .192 .228 .216 -189 -1195 -202 .189 -199 -199 -199 -199 -199 -199 -199 -	117 -302 -294 -219 -173 -146 -122 -006 -0097 -0092 -101 -110 -124 -151 -168 -213 -228 -213	172 182 182 182 182 180 178 177 177 177 173 163 146 133 126 142 190 211 -206 -203 -192 -182 -176 -136 -132 -116 -076	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 163 . 166 . 181 . 207 . 213 . 200 200 200
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.750 -2.250 -2.250 -1.750 -1.500 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250	006 002002001001058193204207200204180177147111098077070086086091098	004 002002004004004004019219208205107078072050076103231231239113105085075067063058	-030 -011 -009 -008 -011 -168 -238 -221 -213 -196 -177 -155 -121 -102 -086 -077 -086 -104 -181 -207 -206 -231 -248 -240 -203 -158 -121 -093 -005 -048	018 A = .000 .001 .004 .148 .244 .231 .213 .193 .168 .140 .118 .085 .077 .071 .073 .084 .099 .140 .210198234239229174139112093 .081	041 45° .019 .011 .288 .288 .288 .274 .241 .189 .159 .140 .110 .097 .088 .098 .106 .120 .117 .199 .228 .216 -189 -195 -202 -189 -195 -190 -198 -199 -199 -199 -189 -189 -169 -169 -169 -161	117 -302 -294 -219 -173 -146 -122 -108 -102 -096 -087 -092 -101 -110 -184 -213 -228 -213	172 182 182 182 182 180 170 177 177 177 177 177 177 173 163 146 133 126 142 190 211 -201 -203 -192 -110 -156 -132 -116 -094 -076 -060	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 163 . 166 . 181 . 207 . 213 . 200 200 200
6.000 -6.000 -5.000 -5.000 -5.000 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.250 -1	006 002002001001001058193204207200204180180180180177147111098077077077077077077070097170203209228226163086087086087014086087014086	004 002002004004004004019219208205107078072050076103231231239113105085075067063058	-030 -011 -009 -008 -011 -168 -238 -221 -213 -196 -121 -102 -086 -077 -086 -080 -104 -181 -207 -206 -231 -248 -240 -203 -158 -121 -093 -055 -066	018 A = .000 .001 .004 .148 .244 .231 .213 .168 .140 .118 .098 .077 .071 .073 .084 .099 .140 .210 .210 .219 .229 .1174 .139 .118 .239 .229 .1174 .139 .118 .081 .081 .081 .093 .081	041 45° .019 .031 .268 .288 .288 .274 .241 .189 .159 .140 .120 .110 .097 .089 .098 .098 .106 .120 .147 .192 .228 .216 -189 -195 -202 .189 -195 -202 .189 -199 -199 -199 -199 -199 -199 -199 -	117 .302 .294 .219 .173 .146 .122 .108 .102 .096 .089 .087 .092 .101 .110 .124 .151 .168 .184 .213 .228 .213	172 182 182 182 182 180 178 177 177 177 173 163 146 133 126 142 190 211 -206 -203 -192 -182 -176 -136 -132 -116 -076	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 163 . 166 . 181 . 207 . 213 . 200 200 200
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.250 -1.750 -6.25 -5.000 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -3.000	006 002002001001001058193204207200204180147111098077072070070070070070070070097170203209228226163108086087086087086087091098091098	004 002002004004004004004019219208205190172144117096103208203231239119239119119085067063058	-030 -011 -009 -008 -011 -168 -238 -221 -213 -196 -177 -155 -121 -102 -086 -077 -086 -104 -181 -207 -206 -231 -248 -240 -203 -158 -121 -093 -005 -048	018 A = .000 .001 .004 .148 .244 .231 .213 .168 .149 .118 .085 .077 .071 .073 .084 .099 .140 .210 198234 .239 .229 .174 .139 .229 .174 .139 .229 .174 .139 .085 .075 .071 .073 .084 .093 .085 .052 .044 .052 .065	041 45° .019 .011 .288 .288 .288 .288 .274 .241 .189 .159 .140 .110 .097 .082 .088 .098 .106 .120 .147 .192 .228 .216 -189 -195 -202 -189 -199 -199 -199 -199 -199 -199 -199	117 -302 -294 -219 -173 -166 -122 -108 -102 -109 -110 -1110 -151 -168 -184 -213 -228 -213 -179 -166 -175 -189 -179 -174 -172 -173 -180 -193 -174	172 182 182 182 182 180 170 177 177 177 177 177 177 173 163 146 133 126 142 190 211 -201 -203 -192 -110 -156 -132 -116 -094 -076 -060	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 163 . 166 . 181 . 207 . 213 . 200 200 200
6.000 -6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.550 -1.250 -1	006 002002001001058193204207200204180177147111098077203228226169108087014086091098109	004 002002004004004004004019219208	030 .011 .009 .008 .011 .168 .238 .224 .221 .213 .196 .179 .155 .121 .102 .086 .067 .080 .104 .181 .207 .208 .221 .231 .207 .248 .203 .158 .121 .093 .055 .060 .048 .066 .048 .066 .048 .067 .093 .059 .060 .048 .066 .048 .066 .035	018 A = .000 .001 .004 .148 .244 .231 .213 .168 .140 .0118 .098 .077 .0771 .073 .084 .099 .140 .215 .234 .215 .234 .215 .234 .215 .234 .217 .217 .217 .217 .217 .217 .239 .229 .217 .239 .229 .2174 .239 .239 .229 .2174 .239 .239 .239 .239 .239 .239 .209 .2174 .239 .239 .239 .239 .239 .239 .239 .239	041 45° .019 .031 .268 .288 .288 .274 .241 .189 .159 .140 .120 .110 .097 .089 .106 .120 .147 .192 .228 .216 189 .195 .202 .189 .195 .202 .189 .195 .202 .189 .196 .196 .191 .181 .169 .191 .181 .169 .169 .169 .169 .169 .169 .169 .16	117 -302 -294 -219 -173 -146 -122 -108 -102 -096 -089 -087 -092 -101 -110 -1151 -188 -184 -213 -228 -213 179 -166 -175 -189 -179 -174 -173 -180 -193 -174 -175 -189	172 182 182 182 182 180 170 177 177 177 177 177 177 173 163 146 133 126 142 190 211 -201 -203 -192 -110 -156 -132 -116 -094 -076 -060	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 163 . 166 . 181 . 207 . 213 . 200 200 200
6.000 -6.000 -5.500 -5.500 -5.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -1.500	006 00200200100100105819320420720020418014711109807707707207008608608609109810009981000998100	004 002002004004004004004004004004004004004005006	030 .011 .009 .008 .011 .168 .238 .221 .213 .196 .179 .155 .121 .102 .086 .067 .080 .104 .181 .207 .206 .231 .240 .203 .158 .1240 .203 .158 .1093 .055 .0086 .0046 .0093	018 A = .000 .001 .004 .148 .244 .231 .213 .168 .140 .118 .085 .077 .071 .073 .084 .099 .140 .210 198 .234 .239 .210 .198 .215 .234 .239 .210 .210 .210 .210 .234 .239 .229 .2174 .139 .229 .2174 .139 .229 .234 .239 .229 .234 .339 .229 .234 .339 .229 .234 .339 .229 .234 .339 .229 .234 .339 .229 .234 .339 .229 .234 .339 .229 .234 .339 .229 .234 .339 .229 .234 .339 .229 .234 .339 .229 .229 .234 .339 .229 .229 .234 .339 .229 .229 .234 .339 .229 .229 .234 .339 .229 .229 .234 .339 .229 .239 .229 .230 .230 .230 .230 .230 .230 .230 .230	041 45° .019 .031 .288 .288 .288 .288 .281 .189 .159 .140 .110 .097 .089 .098 .098 .098 .106 .120 .147 .192 .228 .216 -189 -195 -202 .189 -1198 .193 .181 .169 .193 .181 .169 .193 .160 .151 .144 .129 .105 .090	117 -302 -294 -219 -173 -166 -122 -108 -102 -096 -087 -092 -101 -110 -168 -168 -168 -175 -189 -179 -174 -172 -173 -180 -174 -175 -177	172 182 182 182 182 180 170 177 177 177 177 177 177 173 163 146 133 126 142 190 211 -201 -203 -192 -110 -156 -132 -116 -094 -076 -060	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 163 . 166 . 181 . 207 . 213 . 200 200 200
6.000 -6.000 -5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.750 -1.625 -1.500 -1.750 -1.500 -1.750 -1.500 -1.750 -1	006 002002001001058193204207200204180177147111098077070203228226163086087086087086087086087098100093069017	004 002002004004004004004019219208	030 .011 .009 .008 .011 .168 .238 .224 .221 .213 .196 .179 .155 .121 .102 .086 .067 .080 .104 .181 .207 .208 .221 .231 .207 .248 .203 .158 .121 .093 .055 .060 .048 .066 .048 .066 .048 .067 .093 .059 .060 .048 .066 .048 .066 .035	018 A = .000 .001 .004 .148 .244 .231 .213 .168 .140 .0118 .098 .077 .0771 .073 .084 .099 .140 .215 .234 .215 .234 .215 .234 .215 .234 .217 .217 .217 .217 .217 .217 .239 .229 .217 .239 .229 .2174 .239 .239 .229 .2174 .239 .239 .239 .239 .239 .239 .209 .2174 .239 .239 .239 .239 .239 .239 .239 .239	041 45° .019 .031 .268 .288 .288 .274 .241 .189 .159 .140 .120 .110 .097 .089 .106 .120 .147 .192 .228 .216 189 .195 .202 .189 .195 .202 .189 .195 .202 .189 .196 .196 .191 .181 .169 .191 .181 .169 .169 .169 .169 .169 .169 .169 .16	117 -302 -294 -219 -173 -146 -122 -108 -102 -096 -089 -087 -092 -101 -110 -1151 -188 -184 -213 -228 -213 179 -166 -175 -189 -179 -174 -173 -180 -193 -174 -175 -189	172 182 182 182 182 180 170 177 177 177 177 177 177 173 163 146 133 126 142 190 211 -201 -203 -192 -110 -156 -132 -116 -094 -076 -060	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	. 146 . 125 . 130 . 161 . 194 . 246 228 228 215 . 165 . 163 . 166 . 181 . 207 . 213 . 200 200 200 200

Table 21 Concluded
Plate and Spoiler Pressure Coefficients Configuration 3 M= 2.01 R= 0.30 x 10.6

				Plate				Spoi	iler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ= 6	0 0				
~6.000	•001	004	000	003	•020	047		1	• 249
~5.500	.000	004	.009	003	.018	•047		1 2	. 245
-5.000	•000	004	•007	004	.022	.233		3	.251
-4.500	.000	007	•007	.004	.160	.206		4	. 256
-4.000	•002	002	•008	• 057	•211	•132	•110	5	.274
-3.500	•093	•063	•115	•171	•215	•095	.143	6	. 288 .
-3.000	•155	•155	.180	•189	•204	.101	.153	7	.293
-2.750	•167	•173	•182	•184	.183	•112	•154	8	195
-2.500	•169	•178	•182	• 186	•154	•128	•150	9	202
-2.250	•180	•178	•180	•179	•119	.152	.146	10	217
-2.000	•167	•177	•183	• 163	•104	•179	•143	11	248
-1.750	•171	•173	•169	•130	•098	•214	•141	12	.096
-1.500	•158 •108	•155	•131 •090	.094	•107	•240	•130	13	.086
-1.250 -1.000	.083	•118	.078	•093	•127 •166	•259 •269	•116	14	.071
750	.079	•086	•094	.134	•216	.276	.062	16	.079
625	.098	•103	.117	.168	.236	.274	•050	17	.101
500	.127	•125	.158	.198	•253	•272	.043	18	.113
375	.168	•182	.199	• 225	.261	.271	.051	19	131
250	•213	•219	.222	.253	.274	.268	•073	20	121
125	•244		.245		.268		•101	21	137
•000	•252	•253	.248	.254	.262	.260	•107	22	137
• 250	193	183	186	177			141		
•375	202	200	197	177	162		143		
•500	206	197	204	185	156		140		
• 750	223	212	197	175	159	144	121		
1.000	241	176	189	159	142	127	123		
1.250	268	245	195	128	128	130	134	The second second	
1.500	262	261	212	115	133	132	202		
1.750	078	257	242	107	139	131	176		
2.000	160	233	215	100	145	133	144		
2.250	046	174	252	093	142 147	141	167		
2.500	•070	023	236	085 072	155	143 130	-•177 -•125		
2.750	.056 .035	•062	175	052	161	123	062		
3.000	•005	•058 •036	055 .031	062	155	108	002	The same of the sa	
4.000	.000	•027	.021	045	135	146			
4.500	004	•017	.010	.064	118	135		The same of the	
5.000	005	•013	•005	•102	115	111			
5.500	010	•008	•001	•082	112	095			
6.000	009	•007	•001	.062	112	108			
				Λ= -	5				
~6.000	001	006	•006	003	•019	•012		1	•082
~6.000 ~5.500	001 002	006	•006 •007	003	.019 .018	•012 •071		2	•082 •085
-5.000	001	-•006 -•007	•006	003 001 004	•019 •018 •020	•117		2 3	.089
-5.000 -4.500	001	-•006 -•007 -•008	.006 .007	003 001 004 001	.019 .018 .020	•117 •121		2 3 4	•089 •086
-5.000 -4.500 -4.000	001 002 .004	006 007 008 004	.006 .007 .009	003 001 004 001	.019 .018 .020 .040	•117 •121 •112	•046	2 3 4 5	.089 .086 .087
-5.000 -4.500 -4.000 -3.500	001 002 .004 .026	006 007 008 004 013	.006 .007 .009	003 001 004 001 .006	•019 •018 •020 •040 •086 •106	•117 •121 •112 •089	•050	2 3 4 5 6	.089 .086 .087
-5.000 -4.500 -4.000 -3.500 -3.000	001 002 .004 .026	006 007 008 004 .013	.006 .007 .009 .031	003 001 004 001 .006 .048	.019 .018 .020 .040 .086 .106	•117 •121 •112 •089 •069	•050 •050	2 3 4 5 6 7	.089 .086 .087 .076
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750	001 002 .004 .026 .049	006 007 008 004 .013 .047	.006 .007 .009 .031 .064	003 001 004 001 .006 .048 .072	.019 .018 .020 .040 .086 .106	•117 •121 •112 •089 •069 •072	•050 •050 •051	2 3 4 5 6 7 8	.089 .086 .087 .076 .051
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500	001 002 .004 .026 .049 .057	006 007 008 004 .013 .047 .068	.006 .007 .009 .031 .064 .070	003 001 004 001 006 048 072 072	019 018 020 040 086 106	.117 .121 .112 .089 .069 .072	•050 •050 •051 •053	2 3 4 5 6 7 8	.089 .086 .087 .076 .051 124
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250	001 002 .004 .026 .049 .057 .058	-•006 -•007 -•008 -•004 •013 •047 •068 •064 •070	.006 .007 .009 .031 .064 .070	003 001 004 001 .006 .048 .072 .072	.019 .018 .020 .040 .086 .106 .102 .099	.117 .121 .112 .089 .069 .072 .076	•050 •050 •051 •053 •055	2 3 4 5 6 7 8 9	.089 .086 .087 .076 .051 124 130
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000	001 002 .004 .026 .049 .057 .058	006 007 008 004 .013 .047 .068 .064	.006 .007 .009 .031 .064 .070 .070	003 001 004 001 .006 .048 .072 .072 .072	.019 .018 .020 .040 .086 .106 .102 .099 .096	.117 .121 .112 .089 .069 .072 .076 .081	.050 .050 .051 .053 .055	2 3 4 5 6 7 8 9	.089 .086 .087 .076 .051 124 130 148
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000 -1.750	001 002 002 	006 007 008 004 013 047 068 064 070 068 068	.006 .007 .009 .031 .064 .070 .070 .071	003 001 004 001 .006 .048 .072 .072 .072	.019 .018 .020 .040 .086 .106 .102 .099 .096 .092	•117 •121 •112 •089 •069 •072 •076 •081 •081	.050 .050 .051 .053 .055	2 3 4 5 6 7 8 9 10 11	.089 .086 .087 .076 .051 124 130 148 212
-5.000 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500	001 002 -004 -026 -049 -057 -058 -072 -055 -064		.006 .007 .009 .031 .064 .070 .070 .071 .071	003 001 004 001 .006 .048 .072 .072 .072 .072 .073	.019 .018 .020 .040 .086 .106 .102 .099 .096 .092 .090 .082	•117 •121 •112 •089 •069 •072 •076 •081 •087	.050 .050 .051 .053 .055 .055 .055	2 3 4 5 6 7 8 9 10 11 12 13	.089 .086 .087 .076 .051 124 130 148 212 .040
-5.000 -4.500 -3.500 -3.000 -2.750 -2.500 -2.250 -1.750 -1.500 -1.250	001 002 .004 .026 .049 .057 .058 .072 .055 .064	006 007 008 004 013 047 068 070 068 070 067 071	.006 .007 .009 .031 .064 .070 .071 .071 .071 .064 .065	003 001 004 001 .006 .048 .072 .072 .072 .073 .075 .071	.019 .018 .020 .040 .086 .102 .099 .096 .092 .090 .082	•117 •121 •112 •089 •069 •072 •076 •081 •081 •087 •086 •089	.050 .050 .051 .053 .055 .055 .055	2 3 4 5 6 7 8 9 10 11 12 13	.089 .086 .087 .076 .051 -124 -130 -148 -212 .040
-5.000 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000	-001 -002 -004 -026 -049 -057 -058 -072 -055 -064 -064 -062 -061	006007008004013047068064070068070067	.006 .007 .009 .031 .064 .070 .071 .071 .071 .064 .065	003 001 004 001 006 048 072 072 073 073 075 071 064 049	019 018 020 040 086 1102 099 096 092 090 082 068	.117 .121 .112 .089 .069 .072 .076 .081 .087 .086 .089	.050 .050 .051 .053 .055 .055 .055	2 3 4 5 6 7 8 9 10 11 12 13 14	.089 .086 .087 .076 .051 124 130 148 212 .040 .040
-5.000 -4.500 -3.500 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.750 -1.750 -1.750	- 001 - 002 - 004 - 026 - 049 - 057 - 058 - 072 - 055 - 064 - 064 - 062 - 061	- 006 - 007 - 008 - 004 - 013 - 047 - 068 - 070 - 068 - 070 - 067 - 071 - 067	.006 .007 .009 .031 .064 .070 .071 .071 .072 .064 .065	003 001 004 001 .006 .048 .072 .072 .072 .073 .075 .071 .064 .049	.019 .018 .020 .040 .086 .106 .102 .099 .096 .092 .090 .082 .081 .081	.117 .121 .112 .089 .069 .072 .076 .081 .087 .086 .089	.050 .050 .051 .053 .055 .055 .055 .055 .055	2 3 4 5 6 7 8 9 10 11 12 13 14 15	.089 .086 .087 .076 .051 -124 -130 -148 -212 .040 .040 .040
-5.000 -4.500 -4.000 -3.500 -2.750 -2.500 -2.2500 -2.2500 -1.750 -1.500 -1.500 -1.750 -1.625	-•001 -•002 •004 •026 •049 •057 •058 •072 •055 •064 •064 •052 •061 •047 •045	006 007 008 004 013 .047 .068 .070 .068 .070 .067 .071 .067	.006 .007 .009 .031 .064 .070 .070 .071 .071 .072 .064 .065	003 001 004 001 006 048 072 072 073 075 071 064 049 059 064	.019 .018 .020 .040 .086 .102 .099 .099 .092 .090 .082 .068 .072 .081	.117 .121 .112 .089 .069 .072 .076 .081 .087 .086 .089 .099	.050 .050 .051 .053 .055 .055 .055 .055 .055	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	.089 .086 .087 .076 .051 -124 -130 -148 -212 .040 .040 .046 .047
-5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.550 -2.000 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500	001 002 .004 .026 .049 .057 .058 .072 .055 .064 .064 .064 .062 .061	006 007 008 004 013 047 068 064 070 067 071 067 049 049	.006 .007 .009 .031 .064 .070 .071 .071 .071 .064 .065 .062 .044 .054	- 003 - 001 - 004 - 001 006 048 072 072 073 075 071 064 049 059 064	.019 .018 .020 .040 .086 .106 .102 .099 .092 .092 .092 .082 .082 .081 .089	.117 .121 .112 .089 .069 .072 .076 .081 .081 .087 .086 .089 .090	.050 .050 .051 .053 .055 .055 .055 .055 .055 .055	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	.089 .086 .087 .076 .051 -124 -130 -148 -212 .040 .040 .040 .046 .047 .051
-5,000 -4,000 -3,500 -3,500 -2,750 -2,250 -2,250 -1,750 -1,250	001 002 .004 .026 .049 .057 .058 .072 .055 .064 .064 .052 .061	- 006 - 007 - 008 - 004 - 013 - 047 - 068 - 070 - 068 - 077 - 067 - 071 - 067 - 049 - 049 - 049	.006 .007 .009 .031 .064 .070 .071 .071 .072 .064 .065 .062 .064 .054	- 003 - 001 - 004 - 001 006 048 072 072 072 073 075 071 064 049 064 066 076	.019 .018 .020 .040 .086 .106 .102 .099 .092 .090 .082 .068 .072 .081 .089 .091	117 1121 1122 0889 0669 0722 076 081 0887 0886 0899 0990 0900	.050 .050 .051 .053 .055 .055 .055 .055 .055 .055 .055	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	089 086 087 076 051 -124 -130 -148 -212 040 040 040 046 051
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.750 -1.500 -3.750 -3.750 -3.750 -3.750 -3.750 -3.750 -3.750 -3.750 -3.750 -3.750 -3.750 -3.750	001 002 .004 .026 .049 .057 .058 .072 .055 .064 .064 .052 .061 .047	006 007 008 004 013 047 068 064 070 067 071 067 049 049	.006 .007 .009 .031 .064 .070 .071 .071 .072 .065 .062 .044 .057 .065 .067	- 003 - 001 - 004 - 001 006 048 072 072 073 075 071 064 049 059 064	.019 .018 .020 .040 .086 .106 .102 .099 .092 .092 .092 .082 .081 .081 .089 .091	.117 .121 .112 .089 .069 .072 .076 .081 .081 .087 .086 .089 .090	.050 .051 .053 .055 .055 .055 .055 .055 .055 .055	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	089 086 087 076 051 -124 -130 040 040 040 040 046 047 051 036 -164
-5,000 -4,000 -3,500 -3,500 -2,750 -2,250 -2,250 -1,750 -1,250	001 002 .004 .026 .049 .057 .058 .072 .055 .064 .064 .052 .061	- 006 - 007 - 008 - 004 - 013 - 047 - 068 - 070 - 068 - 077 - 067 - 071 - 067 - 049 - 049 - 049	.006 .007 .009 .031 .064 .070 .071 .071 .072 .064 .065 .062 .064 .054	- 003 - 001 - 004 - 001 006 048 072 072 072 073 075 071 064 049 064 066 076	.019 .018 .020 .040 .086 .106 .102 .099 .092 .090 .082 .068 .072 .081 .089	117 1121 1122 0889 0669 0722 076 081 0887 0886 0899 0990 0900	.050 .050 .051 .053 .055 .055 .055 .055 .055 .055 .055	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	089 086 087 076 051 -124 -130 -148 -212 040 040 040 046 051
-5.000 -4.500 -4.000 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.550 -1.500 -3.75 -5.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -3.500		006 007 008 004 013 047 068 070 068 077 071 067 049 049 049 049 049	.006 .007 .009 .031 .064 .070 .071 .071 .072 .064 .065 .065 .064 .054 .054 .057	003001004001006048072072072073075071064049059066076086	.019 .018 .020 .040 .086 .106 .102 .099 .096 .092 .090 .082 .068 .072 .081 .081 .091 .095	117 1121 1122 089 069 072 076 081 081 086 089 090 090 090	. 050 . 050 . 051 . 053 . 055 . 055 . 055 . 055 . 055 . 055 . 056 . 036 . 038 . 039 . 039 . 039 . 045	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.250 -2.250 -1.750 -1.250 -1.750 -1.250	-001 -002 -004 -026 -0049 -057 -058 -072 -055 -064 -064 -052 -061 -071 -088 -061 -071 -088 -071	-006 -007 -008 -004 -013 -047 -068 -070 -068 -070 -067 -071 -067 -049 -049 -067 -074 -103	.006 .007 .009 .031 .064 .070 .071 .071 .072 .064 .065 .062 .044 .057 .072 .078 .078	003001004001006048072072073075071064066076086099104	.019 .018 .020 .040 .086 .106 .102 .099 .096 .092 .090 .082 .068 .072 .081 .081 .091 .095	117 1121 1122 089 069 072 076 081 081 086 089 090 090 090	. 050 . 050 . 051 . 053 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 046 . 036 . 039 . 047	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.500 -4.000 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.550 -1.500 -3.75 -5.00 -3.75 -2.50 -3.75 -2.500 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75		-006 -007 -008 -004 -013 -047 -068 -070 -068 -070 -067 -071 -067 -049 -049 -049 -047 -103	.006 .007 .009 .031 .064 .070 .071 .071 .072 .064 .065 .062 .044 .057 .067 .072 .078 .098	003001004001006048072072072073075071064049066076098	.019 .018 .020 .040 .086 .106 .102 .099 .092 .090 .082 .068 .072 .081 .089 .091 .095 .102	117 1121 1122 089 069 072 076 081 081 086 089 090 090 090	. 050 . 0550 . 0551 . 0553 . 0555 . 0555 . 0555 . 0555 . 0551 . 046 . 033 . 039 . 045 . 045 . 045 . 045	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.500 -4.000 -3.000 -3.000 -2.750 -2.500 -1.750 -1.500 -1.500 -1.500 -1.500 -1.250	-001 -002 -004 -026 -0049 -057 -058 -072 -055 -064 -052 -061 -047 -045 -058 -061 -071 -082 -098	-006 -007 -008 -004 -013 -047 -068 -064 -070 -068 -070 -067 -071 -067 -049 -049 -067 -074 -103 -116 -108 -126	.006 .007 .009 .031 .064 .070 .071 .071 .072 .064 .065 .062 .044 .057 .067 .072 .072 .072 .078		.019 .018 .020 .040 .086 .106 .102 .099 .092 .090 .082 .068 .072 .081 .089 .091 .095 .102	117 1121 1122 1089 1069 1072 1076 1081 1087 1088 1089 1090 1090 1090 1090 1090	. 050 . 050 . 051 . 053 . 055 . 055 . 055 . 055 . 055 . 055 . 056 . 046 . 033 . 039 . 047 - 1164 - 1137	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.500 -4.000 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.750 -1.250		-006 -007 -008 -004 -013 -047 -068 -064 -070 -068 -077 -071 -067 -071 -049 -049 -057 -074 -108 -116 -108 -126 -1213	.006 .007 .009 .031 .064 .070 .071 .071 .072 .064 .065 .062 .044 .057 .067 .072 .078 .098		.019 .018 .020 .040 .086 .106 .102 .099 .092 .090 .082 .072 .081 .089 .091 .095 .102	117 1121 1122 089 069 0776 081 087 088 089 099 090 090 090	. 050 . 051 . 053 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 046 . 036 . 036 . 047 . 047	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.500 -4.000 -3.500 -3.500 -3.500 -2.250 -2.500 -2.250 -1.500 -1.500 -1.500 -1.500 -750 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75 -3.75		006 007 008 004 013 047 068 067 067 071 067 049 048 074 103 116 108 126 213 123	.006 .007 .009 .031 .064 .070 .071 .071 .072 .065 .062 .044 .057 .067 .072 .072 .072 .072 .072 .074 .071 .071 .071 .071 .071 .071 .071 .071	003001004001006048072072073075071064086099104098095131166	.019 .018 .020 .040 .086 .106 .102 .099 .096 .092 .090 .082 .068 .072 .081 .091 .091 .095 .102	117 1121 1112 1089 069 072 076 081 087 088 089 090 090 090 090	. 050 . 050 . 051 . 053 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 046 . 033 . 039 . 047 - 156 - 1164 - 137 - 095 - 095	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250 -1.750 -1.500 -1.750 -1.500 -1.750 -1.250		-006 -007 -008 -004 -013 -047 -068 -064 -070 -068 -077 -071 -067 -071 -049 -049 -057 -074 -108 -116 -108 -126 -1213	.006 .007 .009 .031 .064 .070 .071 .071 .072 .064 .065 .062 .044 .057 .067 .072 .078 .098		.019 .018 .020 .040 .086 .106 .102 .099 .092 .090 .082 .072 .081 .089 .091 .095 .102	117 1121 1122 089 069 0776 081 087 088 089 099 090 090 090	. 050 . 051 . 053 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 046 . 036 . 036 . 047 . 047	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.500 -4.000 -3.000 -3.000 -2.750 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -3.75 -2.000 -3.75 -2.50 -1.25 -5.000 -3.75 -2.50 -1.25 -5.000 -3.75 -2.50 -1.25 -5.000 -3.75 -	-001 -002 -004 -026 -049 -057 -058 -072 -055 -064 -052 -061 -071 -082 -098 -119 -118 -143 -219 -098 -026 -015	-006 -007 -008 -004 -013 -047 -068 -064 -070 -067 -071 -067 -049 -049 -067 -074 -103 -116 -108 -126 -213 -072 -024	.006 .007 .009 .031 .064 .070 .071 .071 .072 .064 .065 .062 .044 .057 .067 .072 .072 .078 .098	003001004001006048072072073075071064049059064098099104098095131166165122	.019 .018 .020 .040 .086 .106 .102 .099 .096 .092 .090 .082 .068 .072 .081 .091 .095 .102 .097 .112	117 1121 1112 1089 1069 1072 1076 1081 1087 1086 1089 1090 1090 1090 1091 104	. 050 . 050 . 051 . 053 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 046 . 033 . 039 . 047 . 047 - 1164 - 1137 - 057 - 057 - 057	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500		-006 -007 -008 -004 -013 -047 -068 -064 -070 -068 -070 -067 -071 -049 -049 -057 -071 -108 -116 -108 -126 -123 -123 -072 -024 -000	.006 .007 .009 .031 .064 .070 .071 .071 .072 .065 .062 .044 .057 .067 .072 .072 .078 .098 .116 -103 -112 -185 -213 -145		.019 .018 .020 .040 .086 .106 .102 .099 .091 .092 .082 .081 .089 .091 .099 .091 .099 .102 .099 .102	117 1121 1112 089 069 072 076 081 087 088 089 099 090 090 090 090 104	. 050 . 051 . 051 . 053 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 046 . 036 . 036 . 037 . 047 - 1164 - 1176 - 1187 - 1057 - 095	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.500 -4.000 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.550 -1.000 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -2.50 -3.75 -3.7		-006 -007 -008 -004 -013 -047 -068 -064 -070 -067 -071 -067 -049 -049 -067 -074 -108 -116 -108 -126 -213 -123 -072 -024 -000	.006 .007 .009 .031 .064 .070 .071 .071 .072 .064 .065 .065 .067 .072 .072 .078 .098 .098	003001004001006048072072073075071064049059104098095104098095112064023	.019 .018 .020 .040 .086 .106 .102 .099 .091 .092 .082 .082 .088 .072 .089 .091 .099 .102 .099 .102 .099 .102 .091 .095 .102 .097 .102 .097 .096 .097 .096 .097 .096 .097 .096 .097 .097 .097 .097 .097 .097 .097 .097	117 1121 1122 089 069 077 076 081 087 086 099 090 090 090 1004	. 050 . 051 . 053 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 046 . 036 . 038 . 047 . 047 . 1164 . 1176 . 1186 . 11	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500		-006 -007 -008 -004 -013 -047 -068 -064 -070 -068 -070 -067 -071 -049 -049 -057 -071 -108 -116 -108 -126 -123 -123 -072 -024 -000	.006 .007 .009 .031 .064 .070 .071 .071 .072 .065 .062 .044 .057 .067 .072 .072 .078 .098 .116 -103 -112 -185 -213 -145		.019 .018 .020 .040 .086 .106 .102 .099 .092 .090 .082 .068 .072 .081 .081 .091 .095 .102 .097 .112	117 1121 1122 089 069 0776 081 081 087 086 089 090 090 090 104	. 050 . 055 . 046 . 033 . 039 . 047 . 156 1137 1057	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250 -1.750 -1.250			.006 .007 .009 .031 .064 .070 .071 .071 .072 .065 .062 .044 .057 .072 .078 .098 .116 .103 .112 .185 .089 .112 .185 .089 .014		.019 .018 .020 .040 .086 .106 .102 .099 .091 .092 .092 .082 .081 .089 .091 .095 .102 .097 .112	117 1121 1122 089 069 072 076 081 0881 087 086 089 090 090 090 104	. 050 . 051 . 051 . 053 . 055 . 056 . 033 . 036 . 036 . 037 . 046 . 036 . 047 . 047	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.000 -3.500 -3.500 -3.500 -3.500 -2.250 -2.500 -1.500 -1.500 -1.500 -1.550 -1.250			.006 .007 .009 .031 .064 .070 .071 .071 .071 .065 .062 .044 .057 .067 .072 .078 .098 .116 .103 .116 .103 .116 .089 .098		.019 .018 .020 .040 .086 .106 .102 .099 .092 .090 .082 .068 .072 .081 .089 .091 .095 .102 .097 .112	117 1121 1122 089 069 0776 081 081 087 086 089 090 090 090 104	. 050 . 050 . 051 . 053 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 046 . 033 . 039 . 047 . 047 . 156 . 137 . 057 . 057	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.250 -2.250 -1.500 -1.500 -1.250 -1			.006 .007 .009 .031 .064 .070 .071 .071 .072 .065 .062 .044 .057 .072 .078 .098 .116 .103 .112 .185 .089 .112 .185 .089 .014		.019 .018 .020 .040 .086 .106 .102 .099 .092 .092 .096 .082 .081 .081 .089 .091 .095 .102 .097 .112	117 1121 1112 089 069 0772 0776 081 0881 087 086 099 090 090 090 104 104	. 050 . 050 . 051 . 053 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 046 . 033 . 039 . 047 - 1156 - 1137 - 095 - 057 - 05	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.500 -4.000 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.550 -1.000 -375 -250 -1.250 -1.500 -375 -250 -1.250 -1.500 -375 -250 -1.250 -1.500 -375 -250 -1.250 -1.500 -3.750 -1.500 -3.750			.006 .007 .009 .031 .064 .070 .071 .071 .071 .072 .065 .062 .044 .057 .067 .072 .078 .098 .116 .103 .1145 .089 .021 .021 .021 .021 .021 .021 .021 .021		.019 .018 .020 .040 .086 .106 .102 .099 .092 .090 .082 .068 .072 .081 .089 .091 .095 .102 .097 .112	-117 -121 -112 -089 -069 -076 -081 -081 -087 -086 -099 -090 -090 -090 -090 -104 -034 -054 -063 -047 -022 -010 -030 -097 -044 -033	. 050 . 050 . 051 . 053 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 046 . 033 . 039 . 047 - 1156 - 1137 - 095 - 057 - 05	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.500 -4.500 -2.000 -3.500 -3.500 -2.250 -2.250 -1.500			.006 .007 .009 .031 .064 .070 .071 .071 .071 .072 .065 .062 .044 .057 .072 .072 .078 .078 .078 .078 .078 .078 .078 .078		.019 .018 .020 .040 .086 .106 .102 .099 .092 .099 .082 .068 .072 .081 .091 .091 .095 .102 .097 .112	117 1121 1122 1129 1889 1069 1072 1076 1081 1087 1086 1089 1090 1090 1090 1091 104	. 050 . 050 . 051 . 053 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 046 . 033 . 039 . 047 - 1156 - 1137 - 095 - 057 - 05	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.2500 -2.2500 -1.500 -1.500 -1.500 -1.500 -1.500 -3.750			.006 .007 .009 .031 .064 .070 .071 .071 .071 .065 .062 .044 .057 .067 .072 .072 .072 .073 .072 .073 .072 .073 .074 .075 .072 .075 .072 .072 .073 .074 .075 .075 .075 .075 .075 .075 .075 .075		.019 .018 .020 .040 .086 .106 .102 .099 .092 .090 .082 .068 .072 .081 .089 .091 .095 .102 .097 .112	-117 -121 -112 -089 -069 -072 -076 -081 -087 -086 -099 -090 -090 -090 -090 -091 -104 -034 -054 -063 -047 -022 -010 -030 -097 -044 -033 -129 -1330	. 050 . 050 . 051 . 053 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 046 . 033 . 039 . 047 - 1156 - 1137 - 095 - 057 - 05	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167
-5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -3.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1.250 -1.750 -1		-006 -007 -008 -004 -013 -047 -068 -070 -068 -077 -067 -071 -067 -071 -067 -071 -071 -071 -072 -013 -116 -108 -126 -213 -123 -072 -024 -000 -007 -009 -008 -014 -010 -001 -004 -001	.006 .007 .009 .031 .064 .070 .071 .071 .071 .065 .062 .044 .057 .067 .072 .089 .116 .112 .112 .185 .213 .112 .185 .213 .213 .213 .214 .051		.019 .018 .020 .040 .086 .106 .102 .099 .092 .099 .082 .068 .072 .081 .091 .091 .095 .102 .097 .112	117 1121 1122 1129 1889 1069 1072 1076 1081 1087 1086 1089 1090 1090 1090 1091 104	. 050 . 050 . 051 . 053 . 055 . 055 . 055 . 055 . 055 . 055 . 055 . 046 . 033 . 039 . 047 - 1156 - 1137 - 095 - 057 - 05	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	.089 .086 .087 .076 .051 -124 -130 .040 .040 .040 .040 .047 .051 .036 -164 -167

Table 22
Plate and Spoiler Pressure Coefficients

Configuration 4 M=2*01 $R=0*30 \times 10^6$

	1	Confi		M=		R= 0.30			
		1		Plate				Spo	oiler
x,in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	00 °				
-6.000 -5.500	•005	•003	•017	003	•017	•296		1 1	• 358
-5.000	•005	•003	•014	004	•017	•317		2	. 384
-4.500	•004	•002	•013	004	.019	•331		3	. 423
-4.000	•002	•003	.015	003	.266	•340 •347	000	4	*473
-3.500	•003	•001	•016	•000	.313	•347	•008	5	.532
-3.000	•000	•000	•014	•234	.334	•347	•008	6 7	*569
-2.750 -2.500	•001	•020	.078	.274	.340	•346	•008	-8	• 498 -• 254
-2.250	•009	•056	•235	•294	.343	•346	•008	9	-, 255
-2.000	•267	•232	•284 •310	•309	. 345	.344	•109	10	-,256
-1.750	•305	•309	•324	•319 •329	•349	•345	• 251	11	-,260
-1.500	•323	.324	• 326	•331	•349 •350	•343 •345	• 296 • 316	12	.357
-1.250	•313	• 335	•334	• 336	.350	•346	•329	13	.380 .421
-1.000 750	•337	•340	• 333	• 334	• 347	•346	•337	15	. 485
625	•340	•345 •340	•332 •329	• 332	• 347	•349	•343	16	.544
500	•340	•307	•329	• 331 • 332	•344	•352	•341	17	.591
375	•333	•338	•329	• 332	• 347 • 350	•355	•337	1.8	•513
250	•338	.338	•329	•340	•357	•359 •368	*333	19	255
125	•347		•341		•371	• > 0 0	•331 •343	20	255
•000	•381	*381	•369	•372	•387	•387	•382	22	255
• 250	248	-,248	257	252			-,247		
• 375	248	-,250	258	258	238		-,249		
•500	251	-,251	263	258	238		252		
.750 1.000	255 255	-,256	261	256	238	244	254		
1.250	249	198 248	263 263	261 236	240	243	253		
1.500	224	-,218	245	236	241	244	247		
1.750	069	181	212	230	244	-•243 -•243	221 190		
2.000	157	145	155	215	243	247	157		
2.250	129	112	155	190	241	247	128		
2.500	104	089	129	165	233	247	107		
3.000	081 067	070	120	125	224	247	084		
3.500	043	056 037	103	099	211	247	068		
4.000	030	024	065	084	184	247			
4.500	022	022	040	044	114	249 248		The state of the s	
5.000	017	020	034	027	087	237			
5.500	019 013	010 009	031 027	020	067	220			
		, , ,	-021	014	-•053	-•190			
				Λ= 1	.5				
=6-000	20.						1130000		
-6.000 -5.500	*004 *004	•005 •004	•016 •015	•000	•009	•264	-	1	• 323
-5.500 -5.000	•004	•004	•016 •015 •016	•000	•010	•306		2	. 343
-5.500 -5.000 -4.500	*004 *005 *004	•004	•015	•000 •001 ••001	•010	•306 •320			• 343 • 380
-5.500 -5.000 -4.500 -4.000	*004 *005 *004 *004	.004 .004 .003	.015 .016 .016	•000	•010	•306 •320 •328	•000	3 4	• 343 • 380 • 426
-5.500 -5.000 -4.500 -4.000 -3.500	.004 .005 .004 .004	.004 .004 .003 .004	.015 .016 .016 .015	.000 .001 001 .003 .001	.010 .010 .019 .231	•306 •320 •328 •331	•000	2 3 4 5	• 343 • 380 • 426 • 481
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000	.004 .005 .004 .004 .005	.004 .004 .003 .004 .003	.015 .016 .016 .015 .016	.000 .001 -001 .003 .001 .000	.010 .010 .019 .231 .296	•306 •320 •328 •331 •330 •328	.000	3 4	.343 .380 .426 .481
-5.500 -5.000 -4.500 -4.000 -3.500 -3.500 -2.750	.004 .005 .004 .004 .005 .001	.004 .004 .003 .004 .003 .002	.015 .016 .016 .015 .016 .015	.000 .001 -001 .003 .001 .000 .218	.010 .010 .019 .231 .296 .315	.306 .320 .328 .331 .330 .328	.000 .001 .001	2 3 4 5 6 7 8	• 343 • 380 • 426 • 481
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000	.004 .005 .004 .004 .005 .001 .003	.004 .004 .003 .004 .003 .002 .023	.015 .016 .016 .015 .016 .015 .070	.000 .001 001 .003 .001 .000 .218 .266	.010 .010 .019 .231 .296 .315 .318	.306 .320 .328 .331 .330 .328 .327	.000 .001 .001	2 3 4 5 6 7 8	.343 .380 .426 .481 .515 .443 257
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000	.004 .005 .004 .004 .005 .001 .003 .033 .223	.004 .004 .003 .004 .003 .002	.015 .016 .016 .015 .016 .015 .070 .227	.000 .001 001 .003 .001 .000 .218 .266 .289	.010 .010 .019 .231 .296 .315 .318 .321	.306 .320 .328 .331 .330 .328 .327 .325	.000 .001 .001 .051	2 3 4 5 6 7 8 9	.343 .380 .426 .481 .515 .443 257 258
-5.500 -6.000 -4.500 -4.000 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750	.004 .005 .004 .005 .001 .003 .033 .223 .267	.004 .004 .003 .004 .003 .002 .023 .072 .232 .277	.015 .016 .016 .015 .016 .015 .070	.000 .001 001 .003 .001 .000 .218 .266	.010 .010 .019 .231 .296 .315 .318 .321 .325	.306 .320 .328 .331 .330 .328 .327 .325 .323	.000 .001 .001 .051 .220	2 3 4 5 6 7 8 9 10	.343 .380 .426 .481 .515 .443 257 258 258
-5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -2.500 -1.500	.004 .005 .004 .004 .005 .001 .003 .033 .223 .267 .298	.004 .004 .003 .004 .003 .002 .023 .072 .232 .277 .299	.015 .016 .016 .015 .016 .015 .070 .227 .277 .298 .311	.000 .001 .001 .003 .001 .000 .218 .266 .289 .301 .310 .319	.010 .010 .019 .231 .296 .315 .318 .321 .325 .326	.306 .320 .328 .331 .330 .328 .327 .325	.000 .001 .001 .051	2 3 4 5 6 7 8 9 10 11	.343 .380 .426 .481 .515 .443 257 258 258
-5.500 -6.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.500 -1.750 -1.500 -1.250	.004 .005 .004 .004 .005 .001 .003 .033 .223 .267 .298	.004 .004 .003 .004 .003 .002 .023 .072 .232 .277 .299 .309	.015 .016 .016 .015 .016 .015 .070 .227 .277 .298 .311 .315	.000 .001 .001 .003 .001 .000 .218 .266 .289 .301 .310 .319 .320	.010 .010 .019 .231 .296 .315 .318 .321 .325 .326 .325	.306 .328 .331 .330 .328 .327 .325 .327 .325 .317 .318 .315	.000 .001 .001 .051 .220 .267 .287 .298	2 3 4 5 6 7 8 9 10	.343 .380 .426 .481 .515 .443 257 258 258
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.250 -1.000	.004 .005 .004 .004 .005 .001 .003 .033 .223 .267 .298 .307 .298	.004 .004 .003 .004 .003 .002 .023 .072 .232 .277 .299 .309	.015 .016 .016 .015 .015 .070 .227 .277 .298 .311 .315 .320	.000 .001 .003 .001 .000 .218 .266 .289 .301 .310 .319 .320	.010 .010 .019 .231 .296 .315 .318 .321 .325 .326 .325 .326 .323 .319	.306 .328 .321 .331 .328 .327 .325 .325 .325 .317 .318 .315	.000 .001 .001 .051 .220 .267 .287 .298 .306	2 3 4 5 6 7 8 9 10 11 12 13 14	. 343 . 380 . 481 . 515 . 443 . 257 . 258 . 258 . 258 . 321 . 337 . 368 . 409
-5.500 -5.000 -4.500 -3.500 -3.500 -3.750 -2.500 -2.500 -2.250 -2.250 -1.750 -1.500 -1.250 -1.250 -1.250 -1.250	.004 .005 .004 .004 .005 .001 .003 .033 .223 .267 .298	.004 .003 .004 .003 .002 .002 .072 .232 .277 .299 .316 .322	.015 .016 .016 .015 .016 .015 .070 .227 .277 .277 .298 .311 .315 .320	*000 *001 *001 *003 *000 *218 *266 *289 *301 *319 *320 *322 *320 *315	.010 .019 .231 .296 .315 .318 .321 .325 .326 .325 .323 .319	.306 .328 .328 .331 .330 .328 .327 .325 .323 .317 .318 .315 .315	.000 .001 .001 .051 .220 .267 .287 .298 .306 .311	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	. 343 . 380 . 426 . 481 . 515 . 443 - 257 - 258 - 258 - 258 - 261 . 321 . 337 . 368 . 409 . 453
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.2000 -1.750 -1.250 -1.500 -7.50 -7.50 -6.25	.004 .005 .004 .005 .001 .003 .033 .223 .267 .298 .307 .292 .318 .321 .319	.004 .004 .003 .004 .003 .002 .023 .072 .232 .277 .299 .309	.015 .016 .016 .015 .015 .070 .227 .277 .298 .311 .315 .320	.000 .001 .001 .003 .001 .000 .218 .266 .289 .301 .310 .319 .320 .322 .320 .315	.010 .019 .019 .231 .296 .315 .321 .325 .326 .325 .326 .325 .326 .323 .319 .315	.306 .320 .328 .331 .330 .328 .327 .325 .323 .317 .318 .315 .315 .315	.000 .001 .001 .051 .220 .267 .287 .298 .306 .311 .313	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	. 343 . 380 . 481 . 515 . 443 - 257 - 258 - 261 . 321 . 337 . 368 . 409 . 453 . 477
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -750 -5.000 -755	.004 .005 .004 .004 .005 .001 .003 .033 .223 .267 .298 .307 .298 .318 .321 .319	,004 ,003 ,003 ,003 ,002 ,023 ,072 ,232 ,277 ,299 ,316 ,322 ,319 ,286 ,314	.015 .016 .016 .015 .016 .015 .070 .227 .277 .298 .311 .315 .320 .315 .314 .311	*000 *001 *001 *003 *000 *218 *266 *289 *301 *319 *320 *322 *320 *315	.010 .010 .019 .231 .296 .315 .321 .325 .326 .326 .323 .319 .315 .313	.306 .320 .328 .331 .330 .328 .327 .327 .327 .318 .315 .315 .315 .315 .315	.000 .001 .001 .051 .220 .267 .298 .306 .311 .313 .313	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	343 380 426 481 515 443 - 257 - 258 - 261 337 321 3368 409 453 477
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.2000 -1.750 -1.250	.004 .005 .004 .004 .005 .001 .003 .033 .223 .267 .298 .307 .292 .318 .321 .319 .316 .310	,004 ,004 ,003 ,000 ,003 ,002 ,072 ,277 ,299 ,316 ,322 ,322 ,319 ,286	.015 .016 .016 .015 .016 .015 .070 .227 .277 .298 .311 .315 .320 .315 .314 .311 .307 .307	*000 *001 *001 *003 *000 *218 *266 *289 *301 *310 *320 *322 *320 *315 *311 *313	.010 .010 .019 .231 .296 .315 .315 .321 .325 .326 .323 .326 .323 .319 .3115 .313 .313 .313	.306 .320 .328 .331 .330 .328 .327 .325 .323 .317 .318 .315 .315 .315	.000 .001 .001 .051 .220 .267 .287 .298 .306 .311 .313 .313 .308	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	. 343 . 380 . 426 . 481 . 515 . 443 - 257 - 258 - 261 . 321 . 337 . 336 . 409 . 453 . 477 . 401 - 248
-5.900 -4.900 -4.900 -4.900 -3.900 -3.900 -3.000 -2.750 -2.250 -2.000 -1.750 -1.500 -1.250 -1.000 -750 -1.500 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250	.004 .005 .004 .005 .001 .003 .033 .223 .267 .298 .307 .292 .318 .321 .319 .316 .310	,004 ,003 ,003 ,003 ,002 ,023 ,072 ,232 ,277 ,299 ,309 ,316 ,322 ,319 ,286 ,314 ,314	.015 .016 .016 .015 .016 .015 .070 .227 .277 .298 .311 .315 .320 .315 .314 .311 .307 .307	.000 .001 .001 .003 .000 .000 .218 .266 .301 .319 .320 .322 .320 .315 .311 .311	.010 .010 .019 .231 .296 .315 .321 .325 .325 .325 .325 .325 .325 .325 .325	.306 .320 .328 .331 .330 .328 .327 .323 .317 .318 .315 .313 .315 .321 .321 .325 .323	.000 .001 .001 .021 .220 .267 .287 .298 .306 .311 .313 .308 .309 .315	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	.343 .380 .426 .481 .515 .443 -257 -258 -261 .337 .321 .3409 .453 .477
-5.500 -4.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.250 -1.500	.004 .005 .004 .005 .001 .003 .033 .223 .267 .298 .307 .292 .318 .321 .319 .316 .310 .312	,004 ,003 ,003 ,003 ,002 ,023 ,072 ,232 ,277 ,299 ,309 ,316 ,322 ,319 ,286 ,314 ,314	.015 .016 .016 .015 .016 .015 .070 .227 .277 .298 .311 .315 .320 .315 .314 .311 .307 .307	.000 .001 .001 .003 .000 .000 .218 .266 .289 .301 .319 .320 .322 .322 .320 .315 .311	.010 .010 .019 .231 .296 .315 .315 .321 .325 .326 .323 .326 .323 .319 .3115 .313 .313 .313	.306 .320 .328 .331 .330 .327 .323 .327 .323 .317 .318 .315 .315 .315 .321 .325 .323	.000 .001 .001 .051 .220 .267 .287 .298 .306 .311 .313 .313 .308 .309	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	.343 .380 .426 .481 .515 .443 -257 -258 -258 -258 -321 .337 .368 .409 .477 .401 -248 -250
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500	.004 .005 .004 .004 .005 .001 .003 .033 .223 .267 .298 .307 .298 .318 .321 .319 .316 .310 .312 .323 .360	,004 ,003 ,003 ,003 ,002 ,023 ,072 ,232 ,277 ,299 ,316 ,322 ,319 ,286 ,314 ,363	.015 .016 .016 .015 .016 .015 .070 .227 .277 .298 .311 .315 .320 .315 .314 .311 .307 .307 .307	.000 .001 .001 .003 .000 .218 .266 .289 .301 .319 .320 .322 .320 .315 .311 .311 .311 .319	.010 .010 .019 .231 .296 .315 .321 .325 .325 .326 .325 .326 .325 .326 .327 .313 .313 .313 .313 .313 .313 .324 .337	.306 .320 .328 .331 .330 .328 .327 .323 .317 .318 .315 .313 .315 .321 .321 .325 .323	.000 .001 .001 .051 .220 .267 .287 .298 .306 .311 .313 .308 .309 .315 .343	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 343 . 380 . 426 . 481 . 515 . 443 . 257 . 258 . 258 . 261 . 321 . 368 . 409 . 453 . 477 . 401 . 248 . 252
-5.500 -4.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.750 -1.500 -1.550 -1.500 -1.550 -1.500 -1.550	.004 .005 .004 .005 .001 .003 .033 .223 .267 .298 .307 .292 .318 .321 .319 .316 .310 .312	,004 ,003 ,003 ,003 ,002 ,023 ,072 ,232 ,277 ,299 ,309 ,316 ,322 ,322 ,319 ,286 ,314 ,314	.015 .016 .016 .015 .015 .015 .070 .2277 .2277 .2277 .2277 .2978 .311 .315 .320 .315 .320 .314 .311 .307 .307 .307 .307	.000 .001 .001 .003 .001 .000 .218 .266 .289 .301 .319 .320 .322 .320 .315 .311 .311 .319 .355	.010 .010 .019 .231 .296 .315 .321 .325 .326 .325 .325 .325 .323 .315 .321 .325 .325 .326 .323 .323 .323 .323 .323 .323 .323	.306 .320 .328 .331 .330 .328 .327 .323 .317 .318 .315 .313 .315 .321 .321 .325 .323	.000 .001 .001 .001 .220 .267 .287 .298 .306 .311 .313 .308 .308 .309 .315 .343	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 343 . 380 . 426 . 481 . 515 . 443 . 257 . 258 . 258 . 261 . 321 . 368 . 409 . 453 . 477 . 401 . 248 . 252
-5.500 -4.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -1.750 -1.500 -1.250 -1.250 -1.250 -1.250 -1.250 -1.250 -3.75 -5.00 -3.75 -2.000 -3.75 -2.000 -3.75 -2.000 -3.75 -2.500 -3.75 -5.00 -3.75 -5.00 -7.750	.004 .005 .004 .005 .001 .003 .003 .023 .223 .267 .298 .307 .292 .318 .321 .319 .310 .310 .312 .323 .360	,004 ,003 ,003 ,003 ,002 ,023 ,072 ,232 ,277 ,299 ,316 ,322 ,319 ,286 ,314 ,363	.015 .016 .016 .015 .016 .015 .070 .227 .277 .298 .311 .315 .320 .315 .314 .311 .307 .307 .307	.000 .001 .001 .003 .001 .000 .218 .266 .289 .301 .319 .320 .322 .322 .321 .311 .311 .311 .311 .311	.010 .010 .019 .231 .296 .315 .318 .325 .325 .326 .325 .326 .325 .327 .319 .3113 .313 .317 .324 .337 .362	.306 .320 .328 .331 .330 .327 .327 .323 .317 .318 .315 .315 .315 .321 .321 .325 .323 .321	.000 .001 .001 .001 .220 .267 .287 .298 .306 .311 .313 .308 .309 .315 .343	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 343 . 380 . 426 . 481 . 515 . 443 . 257 . 258 . 258 . 261 . 321 . 368 . 409 . 453 . 477 . 401 . 248 . 252
-5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.750 -1.500	.004 .005 .004 .005 .001 .003 .033 .223 .267 .298 .307 .292 .318 .321 .316 .312 .323 .360	.004 .003 .004 .003 .002 .002 .023 .072 .232 .277 .299 .309 .316 .322 .319 .286 .314 .314 .363	.015 .016 .016 .016 .015 .017 .027 .227 .227 .227 .229 .311 .315 .320 .315 .311 .307 .307 .307 .307 .307 .319 .353	.000 .001 .001 .003 .001 .000 .218 .266 .289 .301 .319 .320 .322 .320 .315 .311 .311 .319 .355	.010 .010 .019 .231 .296 .315 .318 .321 .325 .326 .325 .325 .325 .325 .327 .319 .315 .313 .317 .317 .313 .317 .324 .327 .327 .327 .328 .328 .329 .329 .329 .329 .329 .329 .329 .329	.306 .320 .328 .331 .330 .328 .327 .325 .323 .317 .318 .315 .315 .315 .321 .325 .328 .325	.000 .001 .001 .001 .220 .267 .287 .287 .306 .311 .313 .313 .313 .308 .306 .309 .315 .343	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 343 . 380 . 426 . 481 . 515 . 443 . 257 . 258 . 258 . 261 . 321 . 368 . 409 . 453 . 477 . 401 . 248 . 252
-5.500 -4.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -3.75 -5.00 -3.75 -5.00 -3.75 -1.05	.004 .005 .004 .005 .004 .005 .001 .003 .033 .223 .267 .298 .307 .292 .318 .321 .319 .316 .310 .312 .323 .360 .312 .323 .360	.004 .003 .004 .003 .004 .003 .002 .023 .072 .232 .277 .299 .316 .322 .322 .319 .286 .314 .314 .363	.015 .016 .016 .015 .015 .016 .015 .070 .2277 .2278 .311 .315 .320 .314 .311 .307 .307 .307 .319 .325 .314 .325 .325 .3314 .3315 .320 .3314 .3315 .320 .3314 .3315 .320 .3316 .320 .3316 .320 .3317 .3	.000 .001 .001 .003 .001 .000 .218 .266 .289 .301 .310 .322 .322 .320 .315 .311 .313 .311 .319 .355	.010 .010 .019 .231 .296 .315 .318 .325 .325 .326 .325 .326 .325 .327 .319 .3113 .313 .317 .324 .337 .362	.306 .320 .328 .331 .330 .327 .327 .323 .317 .318 .315 .315 .315 .321 .321 .325 .323 .321	.000 .001 .001 .001 .220 .267 .287 .298 .306 .311 .313 .308 .309 .315 .343 .248 .248 .252 .252	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 343 . 380 . 426 . 481 . 515 . 443 - 257 - 258 - 258 - 261 . 321 . 368 . 409 . 453 . 477 . 401 - 248 - 252
-5.500 -4.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.550 -2.550 -2.550 -1.550	.004 .005 .004 .005 .001 .003 .033 .223 .267 .298 .307 .292 .318 .321 .316 .311 .312 .323 .360	.004 .003 .004 .003 .004 .003 .007 .023 .072 .232 .277 .299 .309 .316 .322 .319 .286 .314 .314 .363	.015 .016 .016 .016 .015 .016 .017 .027 .227 .227 .227 .227 .231 .311 .320 .315 .320 .315 .320 .315 .320 .314 .311 .307 .307 .307 .319 .353 .325 .325 .325 .325 .325 .325 .325	.000 .001 .001 .003 .000 .218 .266 .289 .301 .319 .320 .322 .320 .315 .311 .311 .311 .311 .315 .355	.010 .010 .019 .231 .296 .315 .318 .325 .325 .325 .325 .326 .323 .319 .317 .313 .317 .313 .317 .324 .327 .328 .329 .329 .329 .329 .329 .329 .329 .329	.306 .320 .328 .331 .330 .327 .323 .327 .323 .317 .318 .315 .315 .321 .325 .328 .328 .338	.000 .001 .001 .001 .220 .267 .287 .287 .306 .311 .313 .313 .313 .308 .306 .309 .315 .343	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 343 . 380 . 426 . 481 . 515 . 443 . 257 . 258 . 258 . 261 . 321 . 368 . 409 . 453 . 477 . 401 . 248 . 252
-5.500 -4.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -2.500 -1.500	.004 .005 .004 .005 .001 .003 .033 .223 .267 .298 .307 .292 .318 .321 .319 .316 .310 .312 .323 .363 .360 .312 .323 .323 .323 .324 .327 .329 .321 .321 .322 .323 .323 .323 .323 .323	.004 .004 .003 .004 .003 .002 .023 .072 .232 .277 .299 .316 .322 .322 .319 .286 .314 .314 .363 .247 .247 .247 .248 .194 .247 .247 .247 .249 .219	.015 .016 .016 .015 .015 .016 .015 .070 .227 .277 .278 .311 .320 .315 .320 .314 .311 .307 .307 .307 .319 .320 .319 .325 .325 .325 .325 .325 .325 .325 .325	.000 .001 .001 .003 .001 .000 .218 .266 .289 .301 .319 .322 .322 .320 .315 .311 .313 .311 .319 .355 .248 .253 .247 .247 .247 .247 .247	.010 .010 .0110 .019 .231 .296 .315 .318 .321 .325 .326 .323 .325 .323 .319 .315 .313 .317 .313 .317 .324 .323 .324 .323 .324 .325 .326 .3223 .325 .326 .3223 .325 .326 .3223 .325 .326 .3223 .325 .326 .326 .326 .327 .327 .328 .328 .328 .328 .329 .329 .329 .329 .329 .329 .329 .329	.306 .320 .328 .331 .330 .328 .327 .323 .317 .318 .313 .315 .321 .325 .328 .325 .328 .325 .328	.000 .001 .001 .051 .220 .267 .287 .298 .306 .311 .313 .313 .308 .306 .309 .315 .343 .343 .328 .343 .328 .328 .328 .328 .328 .328 .328 .32	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 343 . 380 . 426 . 481 . 515 . 443 - 257 - 258 - 258 - 261 . 321 . 368 . 409 . 453 . 477 . 401 - 248 - 252
-5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.500 -2.500 -2.500 -2.500 -1.750	.004 .005 .004 .005 .001 .003 .033 .223 .267 .298 .307 .292 .318 .321 .319 .316 .310 .312 .323 .360	.004 .003 .003 .003 .002 .023 .072 .232 .277 .299 .309 .316 .322 .319 .286 .314 .314 .363 .2247 .247 .247 .247 .247 .247 .247 .24	.015 .016 .016 .016 .015 .016 .017 .027 .227 .227 .227 .227 .238 .311 .315 .320 .315 .320 .314 .311 .307 .307 .307 .307 .307 .307 .307 .307	.000 .001 .001 .003 .000 .218 .266 .289 .301 .319 .320 .322 .320 .315 .311 .311 .319 .355 .253 .253 .253 .253 .253 .253 .254 .253 .254 .253 .254 .255	.010 .010 .0110 .019 .231 .296 .315 .321 .325 .325 .325 .325 .325 .325 .323 .319 .315 .323 .323 .325 .323 .323 .323 .323 .32	.306 .320 .328 .331 .330 .328 .327 .323 .317 .318 .315 .315 .315 .321 .325 .328 .329 .329 .329 .329 .329 .329 .329 .329	.000 .001 .001 .001 .220 .267 .287 .298 .306 .311 .313 .308 .309 .309 .315 .343 .248 .248 .252 .252 .252 .252 .252	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 343 . 380 . 426 . 481 . 515 . 443 . 257 . 258 . 258 . 261 . 321 . 368 . 409 . 453 . 477 . 401 . 248 . 252
-5.500 -4.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.750 -1.500 -1.750 -1.500 -1.250	.004 .005 .004 .005 .001 .003 .033 .223 .267 .298 .307 .292 .318 .321 .319 .316 .310 .312 .323 .363 .360 .312 .323 .323 .323 .324 .327 .329 .321 .321 .322 .323 .323 .323 .323 .323	.004 .004 .003 .004 .003 .002 .023 .072 .232 .277 .299 .316 .322 .322 .319 .286 .314 .314 .363 .247 .247 .247 .247 .248 .194 .194 .194 .194 .194 .194 .194 .194	.015 .016 .016 .015 .015 .015 .015 .015 .027 .277 .277 .278 .311 .320 .315 .320 .314 .321 .307 .307 .307 .307 .307 .307 .307 .355 .325 .325 .325 .325 .325 .325 .325	.000 .001 .001 .003 .001 .000 .218 .266 .289 .301 .319 .320 .322 .320 .315 .311 .311 .319 .355 .248 .253 .247 .247 .247 .247 .247 .248 .219	.010 .010 .0110 .0110 .0231 .2296 .315 .318 .321 .325 .326 .323 .319 .315 .313 .317 .324 .337 .362 .323 .313 .313 .313 .313 .314 .324 .325 .326 .325 .326 .327 .327 .328 .328 .329 .329 .329 .329 .329 .329 .329 .329	.306 .320 .328 .331 .330 .328 .327 .323 .317 .318 .319 .319 .319 .319 .321 .325 .328 .339 .325 .329 .329 .329 .329 .329 .329 .329 .329	.000 .001 .001 .051 .220 .267 .287 .298 .306 .311 .313 .313 .313 .308 .306 .309 .343 .343 .248 .248 .252 .252 .252 .252 .252 .251 .2157 .190	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 343 . 380 . 426 . 481 . 515 . 443 . 257 . 258 . 258 . 261 . 321 . 368 . 409 . 453 . 477 . 401 . 248 . 252
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.500 -2.500 -1.750 -1.500 -1.500 -1.500 -3.500 -3.500 -3.500 -3.500 -1.250 -1.250 -1.000 -3.750 -1.250	.004 .005 .004 .005 .004 .005 .001 .003 .223 .267 .298 .307 .292 .318 .321 .316 .310 .312 .323 .360 .312 .323 .360 .312 .323 .360 .312 .323 .360 .312 .323 .360 .312 .323 .360 .360 .360 .360 .360 .360 .360 .36	.004 .003 .003 .003 .002 .023 .072 .232 .277 .299 .309 .316 .322 .319 .286 .314 .314 .363 .2247 .247 .247 .247 .247 .247 .247 .24	.015 .016 .016 .016 .015 .016 .017 .027 .227 .227 .227 .227 .227 .331 .315 .320 .315 .320 .314 .311 .307 .307 .307 .307 .307 .307 .307 .307	.000 .001 .001 .003 .001 .000 .218 .266 .289 .301 .319 .320 .319 .322 .320 .315 .311 .311 .319 .355 .248 .253 .248 .253 .247 .253 .247 .2547 .248 .219 .219 .219 .229 .229 .229 .229 .229	.010 .010 .0110 .019 .231 .296 .315 .318 .321 .325 .326 .325 .326 .323 .319 .315 .323 .325 .326 .323 .327 .328 .329 .329 .323 .329 .323 .323 .323 .323	.306 .320 .328 .331 .330 .328 .327 .323 .317 .318 .315 .315 .315 .321 .325 .328 .325 .329 .329 .329 .329 .329 .329 .329 .329	.000 .001 .001 .001 .220 .267 .287 .298 .306 .311 .313 .308 .308 .309 .315 .343 .248 .248 .252 .252 .252 .252 .252 .251 .2251	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 343 . 380 . 426 . 481 . 515 . 443 . 257 . 258 . 258 . 261 . 321 . 368 . 409 . 453 . 477 . 401 . 248 . 252
-5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.500 -2.750 -2.500 -2.750 -1.500	.004 .005 .004 .005 .004 .005 .001 .003 .033 .223 .267 .298 .307 .292 .318 .321 .319 .316 .310 .312 .323 .360 .248 .246 .249 .252 .247 .218 .065 .148 .120 .096 .075 .0057	.004 .003 .003 .003 .002 .023 .072 .232 .277 .299 .309 .316 .322 .319 .286 .314 .314 .363 .363 .3247 .247 .247 .247 .247 .247 .247 .247	.015 .016 .016 .015 .015 .015 .015 .015 .027 .277 .277 .278 .311 .320 .315 .320 .314 .311 .307 .307 .307 .307 .307 .307 .355 .3254 .254 .254 .254 .256 .256 .256 .256 .256 .256 .256 .266 .26	.000 .001 .001 .003 .001 .000 .218 .266 .289 .301 .319 .322 .322 .325 .315 .311 .311 .319 .355 .253 .253 .253 .253 .253 .253 .254 .253 .253 .253 .254 .253 .253 .254 .253 .253 .254 .253 .253 .254 .254 .254 .255 .255 .256 .247 .258 .258 .258 .258 .258 .258 .258 .258	.010 .0110 .0110 .0110 .0231 .2296 .3115 .3115 .3211 .3226 .3223 .323 .324 .323 .313 .313 .313 .313 .313 .313 .313	.306 .320 .328 .331 .330 .328 .327 .323 .317 .318 .319 .319 .319 .319 .321 .325 .328 .339 .325 .329 .329 .329 .329 .329 .329 .329 .329	.000 .001 .001 .001 .220 .267 .287 .298 .306 .311 .313 .308 .309 .309 .315 .343 -248 -252 -252 -252 -252 -252 -252 -252 -25	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 343 . 380 . 426 . 481 . 515 . 443 - 257 - 258 - 258 - 261 . 321 . 368 . 409 . 453 . 477 . 401 - 248 - 252
-5.500 -4.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.550 -2.550 -2.550 -1	.004 .005 .004 .005 .001 .003 .033 .223 .267 .298 .307 .319 .316 .311 .312 .323 .360 .248 .249 .249 .252 .247 .252 .247 .218 .065 .148 .120 .075 .075	.004 .004 .003 .004 .003 .002 .023 .072 .232 .277 .299 .309 .316 .322 .319 .286 .314 .314 .363 .314 .363 .324 .314 .314 .363 .324 .314 .314 .363 .326 .314 .314 .316 .327 .327 .327 .327 .327 .327 .327 .327	.015 .016 .016 .016 .015 .016 .017 .027 .227 .227 .227 .227 .227 .331 .315 .320 .315 .320 .314 .311 .307 .307 .307 .307 .307 .307 .307 .307	.000 .001 .001 .003 .001 .000 .218 .266 .289 .301 .319 .320 .319 .322 .320 .315 .311 .311 .319 .355 .248 .253 .248 .253 .247 .253 .247 .2547 .248 .219 .219 .219 .229 .229 .229 .229 .229	.010 .010 .0110 .019 .231 .231 .231 .325 .328 .325 .325 .325 .325 .323 .319 .315 .313 .317 .323 .323 .323 .325 .323 .325 .323 .325 .326 .323 .325 .326 .327 .328 .329 .329 .329 .329 .329 .329 .329 .329	.306 .320 .328 .331 .330 .328 .327 .323 .317 .318 .315 .315 .315 .315 .321 .325 .328 .325 .329 .329 .329 .329 .329 .329 .329 .329	.000 .001 .001 .001 .220 .267 .287 .298 .306 .311 .313 .308 .308 .309 .315 .343 .248 .248 .252 .252 .252 .252 .252 .251 .2251	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 343 . 380 . 426 . 481 . 515 . 443 - 257 - 258 - 258 - 261 . 321 . 368 . 409 . 453 . 477 . 401 - 248 - 252
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.250 -2.250 -1.750 -1.500 -1.750 -1.500 -1.250 -1	.004 .005 .004 .005 .004 .005 .001 .003 .033 .223 .267 .298 .307 .2992 .318 .321 .319 .316 .310 .312 .323 .360 .248 .224 .249 .252 .247 .218 .065 .148 .120 .096 .0757 .041 .029	.004 .004 .003 .004 .003 .002 .023 .072 .232 .277 .299 .316 .322 .322 .319 .286 .314 .314 .314 .314 .314 .314 .314 .314	.015 .016 .016 .015 .015 .015 .027 .227 .227 .227 .227 .311 .315 .320 .315 .320 .314 .311 .307 .307 .307 .307 .307 .307 .307 .307	.000 .001 .001 .003 .001 .000 .218 .266 .289 .301 .319 .320 .319 .322 .320 .315 .311 .311 .319 .355 .248 .253 .247 .253 .247 .253 .247 .256 .247 .256 .247 .257 .248 .266 .289 .247 .258 .247 .258 .247 .258 .247 .258 .247 .258 .247 .258 .247 .258 .247 .248 .247 .248 .247 .248 .247 .248 .247 .248 .247 .248 .247 .248 .248 .248 .248 .248 .248 .248 .248	.010 .010 .0110 .0110 .0231 .2296 .315 .315 .321 .325 .326 .323 .319 .313 .313 .313 .313 .313 .313 .31	.306 .320 .328 .331 .330 .327 .323 .327 .323 .317 .318 .315 .315 .315 .321 .325 .328 .328 .338 .359	.000 .001 .001 .001 .220 .267 .287 .298 .306 .311 .313 .308 .309 .309 .315 .343 .248 .252 .252 .252 .252 .252 .251 .190 .157 .129	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 343 . 380 . 426 . 481 . 515 . 443 - 257 - 258 - 258 - 261 . 321 . 368 . 409 . 453 . 477 . 401 - 248 - 252
-5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.550 -2.550 -2.550 -2.550 -1	.004 .005 .004 .005 .001 .003 .033 .223 .267 .298 .307 .292 .318 .321 .319 .316 .311 .312 .323 .360 .248 .2246 .249 .252 .247 .218 .065 .148 .120 .096 .075 .057 .041 .029	.004 .004 .003 .004 .003 .007 .023 .072 .232 .277 .299 .309 .316 .322 .319 .286 .314 .314 .363 .247 .247 .247 .247 .247 .247 .247 .247	.015 .016 .016 .016 .015 .016 .015 .070 .227 .277 .298 .311 .315 .320 .315 .320 .315 .320 .315 .320 .315 .320 .315 .320 .315 .320 .315 .320 .315 .320 .316 .320 .317 .307 .307 .307 .319 .353 .325 .325 .325 .325 .325 .325 .325	.000 .001 .001 .003 .001 .000 .218 .266 .289 .301 .319 .320 .319 .322 .320 .315 .311 .313 .311 .319 .355 .253 .253 .253 .253 .247 .256 .247 .258 .259 .259 .259 .259 .259 .259 .259 .259	.010 .010 .0110 .0110 .0110 .0231 .2296 .3115 .3215 .3225 .3225 .3225 .3225 .3225 .3225 .3227 .3237 .3313 .3317 .3324 .3317 .3324 .3317 .3324 .3317 .3326 .3227 .3327 .3227 .3	.306 .320 .328 .331 .330 .327 .323 .327 .323 .317 .318 .315 .315 .315 .321 .325 .328 .328 .338 .359	.000 .001 .001 .001 .220 .267 .287 .298 .306 .311 .313 .308 .309 .309 .315 .343 .248 .252 .252 .252 .252 .252 .251 .190 .157 .129	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 343 . 380 . 426 . 481 . 515 . 443 - 257 - 258 - 258 - 261 . 321 . 368 . 409 . 453 . 477 . 401 - 248 - 252
-5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.750 -3.500 -2.750 -2.250 -1.750 -1.500 -1.750 -1.500 -1.250 -1	.004 .005 .004 .005 .004 .005 .001 .003 .033 .223 .267 .288 .307 .292 .318 .319 .316 .310 .312 .323 .360 .248 .249 .249 .252 .247 .218 .065 .148 .120 .096 .075 .097 .0075 .0075 .0018	.004 .004 .003 .004 .003 .002 .023 .072 .232 .277 .299 .316 .322 .322 .319 .286 .314 .314 .363 .247 .247 .247 .247 .248 .194 .247 .247 .247 .249 .319 .319 .320 .322 .322 .322 .319 .314 .314 .314 .314 .314 .314 .314 .314	.015 .016 .016 .015 .015 .015 .017 .027 .227 .227 .227 .227 .227 .311 .315 .320 .315 .320 .314 .311 .307 .307 .307 .319 .325 .325 .325 .325 .325 .325 .325 .325	.000 .001 .001 .003 .001 .000 .218 .266 .289 .301 .319 .322 .322 .320 .315 .311 .313 .311 .319 .355 .248 .253 .225 .225 .225 .225 .225 .225 .225	.010 .010 .0110 .0110 .0231 .2311 .2321 .3256 .3221 .3225 .3226 .3223 .3126 .3223 .3126 .3223 .3126 .3223 .323 .325 .3223 .323 .325 .3223 .323 .3	.306 .320 .328 .331 .330 .328 .327 .323 .317 .318 .315 .315 .315 .315 .321 .325 .328 .338 .359	.000 .001 .001 .001 .220 .267 .287 .298 .306 .311 .313 .308 .309 .309 .315 .343 .248 .252 .252 .252 .252 .252 .251 .190 .157 .129	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 343 . 380 . 426 . 481 . 515 . 443 - 257 - 258 - 258 - 261 . 321 . 368 . 409 . 453 . 477 . 401 - 248 - 252
-5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -2.550 -2.550 -2.550 -2.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -7.50 -1.550 -1.	.004 .005 .004 .005 .001 .003 .033 .223 .267 .298 .307 .292 .318 .321 .319 .316 .311 .312 .323 .360 .248 .2246 .249 .252 .247 .218 .065 .148 .120 .096 .075 .057 .041 .029	.004 .004 .003 .004 .003 .007 .023 .072 .232 .277 .299 .309 .316 .322 .319 .286 .314 .314 .363 .247 .247 .247 .247 .247 .247 .247 .247	.015 .016 .016 .016 .015 .016 .015 .070 .227 .277 .298 .311 .315 .320 .315 .320 .315 .320 .315 .320 .315 .320 .315 .320 .315 .320 .315 .320 .315 .320 .316 .320 .317 .307 .307 .307 .319 .353 .325 .325 .325 .325 .325 .325 .325	.000 .001 .001 .003 .001 .000 .218 .266 .289 .301 .319 .320 .319 .322 .320 .315 .311 .313 .311 .319 .355 .253 .253 .253 .253 .247 .256 .247 .258 .259 .259 .259 .259 .259 .259 .259 .259	.010 .010 .0110 .0110 .0110 .0231 .2296 .3115 .3215 .3225 .3225 .3225 .3225 .3225 .3225 .3227 .3237 .3313 .3317 .3324 .3317 .3324 .3317 .3324 .3317 .3326 .3227 .3327 .3227 .3	.306 .320 .328 .331 .330 .327 .323 .327 .323 .317 .318 .315 .315 .315 .321 .325 .328 .328 .338 .359	.000 .001 .001 .001 .220 .267 .287 .298 .306 .311 .313 .308 .309 .309 .315 .343 .248 .252 .252 .252 .252 .252 .251 .190 .157 .129	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 343 . 380 . 426 . 481 . 515 . 443 - 257 - 258 - 258 - 261 . 321 . 368 . 409 . 453 . 477 . 401 - 248 - 252

				Plate				Spoi	ler
x, in.	Row O	Row I	Row 3	Row 4	Row 6	Row 7	Row 9	Orifice No.	
				Λ=	30°			desired to	
-6.000	•004	•004	•015	•000	-016	.016	1	1	250
-5.500	•007	•001	.015	•000	•015 •010	•015		1 2	• 250
-5.000	•006	•001	•012	003	•010	.313		3	.291
-4.500	•006	•000	•014	•003	•020	.324		4	.325
-4.000	•006	•002	•013	001	•257	•310	•002	5	. 363
-3.500 -3.000	•004	•000	•014	•092	•298	•280	•003	6	• 383
-2.750	.099	•006 •141	•127 •222	•254	•294 •289	•257	•003	7	• 314
-2.500	206	.218	.256	.273	• 284	•248 •239	•112 •203	8 9	251
-2.250	•253	•251	•267	.271	•276	•236	.236	10	252 252
-2.000	•252	•260	•270	.269	•267	.228	.250	11	254
-1.750	•264	• 264	•274	• 269	•261	.227	• 255	12	• 279
-1.500 -1.250	• 262	• 263	• 264	• 260	•252	• 225	• 262	13	.289
-1.000	•242	• 262 • 259	•257 •253	• 252	•246	•226	• 266	14	•311
750	•253	•252	.244.	.239	•238	•232 •235	•269 •270	15 16	• 335 • 364
625	•250	.245	.239	.234	•235	.237	.270	17	.373
500	•247	•214	.234	.232	•237	.242	.267	18	• 292
375	• 240	• 238	•234	.234	.240	•249	.267	19	234
250	•239	•238	•231	• 242	•246	• 255	• 269	20	234
125	•246	•301	.242	• 293	•255 •287	•287	•276 •301	21	234 234
					-	14.			
• 250 • 375	246	247 249	251 253	247	240		226	The second	
•500	250	249	253	249 248	240 237		230 230	1	
.750	250	248	251	245	237	237	232		
1.000	251	197	254	248	237	237	232	Trees.	
1.250	243	245	251	231	237	235	232	1 - 1	
1.500	213	217	242	236	237	235	219		
1.750	058	180	214	229	237	235	188		
2.000	137 105	148	155 154	213 191	237	235	155		
2.500	079	118	128	174	237 231	233 233	127 107		
2.750	062	070	108	150	224	233	086		
3.000	049	052	093	130	212	233	069		
3.500	037	034	058	096	179	233			
4.000	031	026	046	072	151	227			
4.500	026	024	037	052	127	220			
5.000	019 019	023	034 032	039	104 086	218 210			
6.000	010	012	028	023	070	199			
	-			Λ=	45°				
		•001	01/			***		1 ,	170
			•014	001	.016 .016	.010		1	•175
-6.000 -5.500	.002	•001	•012			•010		2	
-5.500 -5.000			•012	005	.016	.010 .216		3	•186 •229
-5.500 -5.000 -4.500	•004 •004 •005	.001 .001 .000	•012 •015	005 .001	•016 •016	•216 •275		3 4	• 229 • 295
-5.500 -5.000 -4.500 -4.000	.004 .004 .005 .003	.001 .001 .000	•012 •015 •015	005 .001 003	•016 •016 •106	•216 •275 •289	.001	3 4 5	• 229 • 295 • 382
-5.500 -5.000 -4.500 -4.000 -3.500	.004 .004 .005 .003	.001 .001 .000 .001	•012 •015 •015 •014	005 .001 003	•016 •016 •106 •257	•216 •275 •289 •272	•123	3 4 5 6	• 229 • 295 • 382 • 463
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000	.004 .004 .005 .003 .003	.001 .001 .000 .001 001	•012 •015 •015 •014 •157	005 .001 003 .014 .230	•016 •016 •106 •257 •277	.216 .275 .289 .272	•123 •189	3 4 5 6 7	• 229 • 295 • 382 • 463 • 405
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750	.004 .004 .005 .003 .003 .137	.001 .001 .000 .001 001 .079	.012 .015 .015 .014 .157	005 .001 003 .014 .230 .251	.016 .016 .106 .257 .277 .280	.216 .275 .289 .272 .227	•123 •189 •196	3 4 5 6 7 8	. 229 . 295 . 382 . 463 . 405
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000	.004 .004 .005 .003 .003	.001 .001 .000 .001 001	•012 •015 •015 •014 •157	005 .001 003 .014 .230 .251	.016 .016 .106 .257 .277 .280 .273	.216 .275 .289 .272 .227 .207	•123 •189 •196 •203	3 4 5 6 7	. 229 . 295 . 382 . 463 . 405 237 242
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -2.000	.004 .005 .003 .003 .137 .203 .228 .251	.001 .000 .000 .001 001 .079 .210 .234 .250	.012 .015 .015 .014 .157 .222 .246 .254	005 .001 003 .014 .230 .251	.016 .016 .106 .257 .277 .280	.216 .275 .289 .272 .227	.123 .189 .196 .203 .201	3 4 5 6 7 8 9	. 229 . 295 . 382 . 463 . 405
-5.500 -5.000 -4.500 -4.000 -3.500 -3.000 -2.750 -2.500 -2.250 -2.000 -1.750	.004 .004 .005 .003 .003 .137 .203 .228 .251 .236	.001 .000 .000 .001 -001 .079 .210 .234 .250 .252	.012 .015 .015 .014 .157 .222 .246 .254 .258	- 005 001 - 003 014 230 251 256 256 260 243	.016 .016 .106 .257 .277 .280 .273 .254 .228	.216 .275 .289 .272 .227 .207 .184 .170 .157	.123 .189 .196 .203 .201 .197	3 4 5 6 7 8 9 10 11	. 229 . 295 . 382 . 463 . 405 237 242 241 248 . 131
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.500 -1.750 -1.500	.004 .005 .003 .003 .137 .203 .228 .251 .236 .249	.001 .000 .000 .001 -001 .079 .210 .234 .250 .252 .256	.012 .015 .015 .014 .157 .222 .246 .254 .258 .260	- 005 001 - 003 014 230 251 256 256 260 243	.016 .016 .106 .257 .277 .280 .273 .254 .228 .200 .175	.216 .275 .289 .272 .227 .207 .184 .170 .157	.123 .189 .196 .203 .201 .197 .191	3 4 5 6 7 8 9 10 11 12	• 229 • 295 • 382 • 463 • 405 - • 237 - • 242 - • 241 • 131 • 139
-5.500 -5.000 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -2.500 -1.750 -1.500 -1.250	.004 .005 .003 .003 .137 .203 .228 .251 .236 .249 .237	.001 .000 .001 .001 .079 .210 .234 .250 .252 .256 .246	.012 .015 .015 .014 .157 .222 .246 .254 .258 .260 .238	- 005 001 - 003 014 230 251 256 256 260 243 212	.016 .016 .106 .257 .277 .280 .273 .254 .228 .200 .175	.216 .275 .289 .272 .227 .207 .184 .170 .157 .150 .145	.123 .189 .196 .203 .201 .197 .191 .184	3 4 5 6 7 8 9 10 11 12 13 14	• 229 • 295 • 382 • 463 • 405 • 237 • 242 • 241 • 248 • 131 • 139 • 164
-5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.250 -1.000	.004 .005 .003 .003 .137 .203 .228 .251 .236 .249 .237 .190	.001 .001 .000 .001 .001 .079 .210 .234 .250 .252 .256 .246 .221	.012 .015 .015 .014 .157 .222 .246 .254 .258 .260 .238 .202	005 .001 003 .014 .230 .251 .256 .256 .260 .243 .212 .178	.016 .016 .106 .257 .277 .280 .273 .254 .228 .200 .175 .159	.216 .275 .289 .272 .227 .207 .184 .170 .157 .150 .145 .142	.123 .189 .196 .203 .201 .197 .191 .184 .171	3 4 5 6 7 8 9 10 11 12 13 14	• 229 • 295 • 382 • 463 • 405 • 237 • 242 • 241 • 131 • 139 • 164 • 197
-5.500 -4.500 -4.500 -4.000 -3.500 -3.500 -2.750 -2.500 -2.250 -2.000 -1.750 -1.500 -1.500 -1.500	.004 .005 .003 .003 .137 .203 .228 .251 .236 .249 .237 .190	.001 .000 .000 .001 -001 .079 .210 .234 .250 .252 .256 .246 .221 .182	.012 .015 .015 .015 .014 .157 .222 .246 .254 .258 .260 .238 .202 .164 .138	005 .001 003 .014 .230 .251 .256 .256 .260 .243 .212 .178 .150	.016 .016 .106 .257 .277 .280 .273 .254 .228 .200 .175 .159	.216 .275 .289 .272 .227 .207 .184 .170 .157 .150 .145 .142	.123 .189 .196 .203 .201 .197 .191 .184 .171 .153 .133	3 4 5 6 7 8 9 10 11 12 13 14 15 16	• 229 • 295 • 382 • 463 • 405 • - 237 • - 242 • - 241 • 131 • 139 • 164 • 197 • 225
-5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.750 -1.500 -1.250 -1.000	.004 .005 .003 .003 .137 .203 .228 .251 .236 .249 .237 .190	.001 .001 .000 .001 .001 .079 .210 .234 .250 .252 .256 .246 .221	.012 .015 .015 .014 .157 .222 .246 .254 .258 .260 .238 .202	005 .001 .003 .014 .230 .251 .256 .256 .256 .243 .212 .178 .150	.016 .016 .106 .257 .277 .280 .273 .254 .228 .200 .175 .159	.216 .275 .289 .272 .227 .207 .184 .170 .157 .150 .145 .142 .152	.123 .189 .196 .203 .201 .197 .191 .184 .171 .153 .133	3 4 5 6 7 8 9 10 11 12 13 14	• 229 • 295 • 382 • 463 • 405 • 237 • 242 • 241 • 248 • 131 • 139 • 164 • 197 • 225 • 238
-5.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.750 -2.500 -1.750 -1.500 -1.250 -1.500 -1.500 -1.500 -1.500 -3.500	.004 .005 .003 .003 .003 .228 .251 .236 .249 .237 .190 .174 .146 .138 .133	.001 .000 .000 .001 -001 .079 .210 .234 .250 .255 .266 .246 .221 .182	.012 .015 .015 .014 .157 .222 .246 .254 .258 .260 .238 .202 .164 .138	005 .001 003 .014 .230 .251 .256 .256 .260 .243 .212 .178 .150	.016 .016 .106 .257 .277 .280 .273 .254 .228 .200 .175 .159	.216 .275 .289 .272 .227 .207 .184 .170 .157 .150 .145 .142	.123 .189 .196 .203 .201 .197 .191 .184 .171 .153 .133	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	• 229 • 295 • 382 • 463 • 405 • - 237 • - 242 • - 241 • 131 • 139 • 164 • 197 • 225
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500	.004 .004 .005 .003 .003 .137 .208 .228 .251 .236 .249 .237 .190 .174 .146 .138 .133	.001 .001 .000 .001 -001 .079 .210 .234 .250 .252 .256 .246 .221 .182 .139	.012 .015 .015 .014 .157 .222 .246 .254 .258 .260 .238 .202 .164 .139 .124 .125 .134	005 003 .001 230 .251 .256 .256 .260 .243 .212 .178 .150 .134	016 016 106 257 277 280 273 224 228 200 201 175 159 164 149	.216 .275 .289 .272 .227 .207 .184 .170 .157 .142 .152 .142 .170	.123 .189 .196 .203 .201 .197 .191 .184 .171 .153 .133 .125 .117 .114	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 131 . 139 . 164 . 197 . 225 . 238 . 181 . 239 250
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.500 -1.750 -1.500 -1.500 -1.550 -1.500 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.550	.004 .005 .003 .003 .023 .228 .251 .236 .249 .237 .174 .146 .138 .133 .126	.001 .001 .000 .001 -001 -001 .210 .234 .250 .252 .256 .246 .221 .182 .139 .110	.012 .015 .015 .014 .157 .222 .246 .258 .260 .238 .202 .164 .138 .129 .125 .134	-005 -001 -003 -014 -230 -251 -256 -256 -260 -243 -212 -178 -130 -134 -133 -137 -160	.016 .016 .106 .257 .277 .280 .273 .254 .228 .200 .175 .159 .159 .144 .145 .149 .162	.216 .275 .289 .272 .227 .207 .184 .170 .157 .155 .142 .152 .170 .184 .197 .222	. 123 . 189 . 196 . 203 . 201 . 197 . 191 . 184 . 171 . 153 . 125 . 117 . 114 . 120 . 132	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 139 . 164 . 137 . 225 . 238 . 139 . 239 . 229 . 225 . 239 . 225 . 239
-5.500 -5.000 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.250 -2.250 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -1.500 -3.750 -625 -300	.004 .004 .005 .003 .003 .137 .208 .228 .251 .236 .249 .237 .190 .174 .146 .138 .133	.001 .000 .0001 -001 -001 -210 .234 .250 .252 .256 .246 .221 .182 .139	.012 .015 .015 .014 .157 .222 .246 .254 .258 .260 .238 .202 .164 .139 .124 .125 .134	- 005 - 001 - 003 014 - 230 251 - 256 266 260 2 243 2 12 1 178 1 150 1 134 1 130	016 016 106 257 277 280 273 224 228 200 201 175 159 164 149	.216 .275 .289 .272 .227 .207 .184 .170 .157 .145 .145 .142 .152 .184 .197	.123 .189 .196 .203 .201 .197 .191 .184 .171 .153 .133 .125 .117 .114	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 131 . 139 . 164 . 197 . 225 . 238 . 181 . 239 250
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -1.750 -1.500 -1.750 -1.500 -1.750 -2.250 -2.000 -1.750 -2.250 -2.000 -1.750 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250 -2.250	.004 .005 .003 .003 .137 .208 .228 .251 .236 .249 .237 .190 .174 .146 .138 .133 .126 .134 .182 .269	.001 .001 .000 .001 .009 .210 .234 .250 .252 .256 .246 .221 .182 .139 .139	0.012 0.015 0.015 0.015 0.014 1.157 2.22 2.246 2.254 2.258 2.260 2.338 2.202 1.64 1.38 1.29 1.24 1.25 1.34 1.87 2.66	-005 0001 -003 014 230 251 256 260 243 212 178 150 134 133 137 160	016 0016 106 257 277 280 273 254 228 200 175 159 160 144 145 149 162 237 274	.216 .275 .289 .272 .227 .207 .184 .170 .157 .155 .142 .152 .170 .184 .197 .222	.123 .189 .196 .203 .201 .197 .191 .184 .171 .153 .133 .125 .117 .114 .120 .132 .161	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 139 . 164 . 137 . 225 . 238 . 139 . 239 . 229 . 225 . 239 . 225 . 239
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.750 -1.500 -1.500 -1.550 -1.500 -1.250 -2.500	.004 .005 .003 .003 .003 .137 .203 .228 .251 .236 .249 .237 .190 .174 .138 .133 .1126 .134 .182 .269	.001 .001 .000 .001 -001 .001 .210 .234 .250 .252 .256 .246 .221 .182 .152 .139 .110 .130	.012 .015 .015 .015 .015 .157 .222 .246 .254 .258 .260 .238 .202 .164 .138 .129 .124 .125 .134 .126	-005 -001 -003 -014 -230 -251 -256 -256 -260 -243 -217 -178 -130 -133 -137 -160 -269	.016 .016 .016 .027 .277 .280 .273 .254 .200 .175 .159 .159 .144 .149 .162 .237 .274	.216 .275 .289 .272 .227 .207 .184 .170 .157 .155 .142 .152 .170 .184 .197 .222	. 123 . 189 . 196 . 203 . 201 . 197 . 191 . 184 . 171 . 153 . 125 . 117 . 114 . 120 . 132 . 161	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 139 . 164 . 137 . 225 . 238 . 139 . 239 . 229 . 225 . 239 . 225 . 239
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -1.750 -1.500 -1.500 -1.500 -3.500 -3.500 -3.500 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500 -3.75 -3.500	.004 .004 .005 .003 .003 .137 .208 .228 .251 .236 .249 .237 .190 .174 .146 .138 .133 .126 .134 .182 .269	.001 .001 .000 .001 .001 .001 .234 .250 .252 .255 .246 .221 .182 .139 .110 .139	.012 .015 .015 .015 .014 .157 .222 .246 .258 .260 .238 .202 .164 .138 .129 .124 .125 .134 .127 .266	-005 0001 -003 014 230 251 256 260 243 212 178 150 134 133 137 160 269	.016 .016 .106 .257 .277 .280 .273 .254 .200 .175 .159 .159 .144 .145 .149 .162 .192 .237 .274	.216 .275 .289 .272 .227 .207 .884 .170 .150 .145 .142 .152 .170 .184 .197 .222 .249	. 123 . 189 . 196 . 203 . 201 . 197 . 191 . 184 . 171 . 153 . 123 . 125 . 117 . 114 . 120 . 132 . 161	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 139 . 164 . 137 . 225 . 238 . 139 . 239 . 229 . 225 . 239 . 225 . 239
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.500 -1.550 -1.500 -1.550 -1.500 -1.550 -1.550 -1.550 -2.550	.004 .005 .003 .003 .003 .137 .203 .228 .251 .236 .249 .237 .190 .174 .138 .133 .126 .134 .182 .269	.001 .001 .000 .001 -001 .019 .210 .234 .252 .256 .246 .221 .182 .152 .139 .139 .139 .139	.012 .015 .015 .015 .015 .157 .222 .246 .254 .258 .260 .238 .202 .164 .138 .129 .124 .125 .134 .187 .266	-005 -001 -003 -014 -230 -251 -256 -256 -260 -243 -212 -178 -130 -133 -137 -160 -227 -223 -218 -2212	.016 .016 .106 .257 .277 .280 .273 .254 .228 .200 .175 .159 .150 .144 .149 .162 .192 .237 .274	-190	. 123 . 189 . 196 . 203 . 201 . 197 . 191 . 184 . 171 . 153 . 125 . 117 . 114 . 120 . 132 . 161	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 139 . 164 . 137 . 225 . 238 . 139 . 239 . 229 . 225 . 239 . 225 . 239
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -1.750 -1.500 -1.750 -1.500 -1.750 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -2.500 -3.75 -3.500	.004 .004 .005 .003 .003 .137 .208 .228 .251 .236 .249 .237 .190 .174 .146 .138 .133 .126 .134 .182 .269	.001 .001 .001 .001 .001 .001 .001 .001	.012 .015 .015 .015 .014 .157 .222 .246 .258 .260 .238 .202 .164 .138 .129 .124 .125 .134 .127 .266	-005 0001 -003 014 230 251 256 260 243 212 178 150 134 133 137 160 269	.016 .016 .106 .257 .277 .280 .273 .254 .200 .175 .159 .159 .144 .145 .149 .162 .192 .237 .274	.216 .275 .289 .272 .227 .207 .884 .170 .150 .145 .142 .152 .170 .184 .197 .222 .249	. 123 . 189 . 196 . 203 . 201 . 197 . 191 . 184 . 171 . 153 . 123 . 125 . 117 . 114 . 120 . 132 . 161	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 139 . 164 . 137 . 225 . 238 . 139 . 239 . 229 . 225 . 239 . 225 . 239
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.550 -2.500 -2.550 -1.550 -1.550 -1.550 -1.550 -1.550 -1.250 -3.75 -250 -3.75 -250 -3.75 -1.250 -3.75 -1.250 -3.75 -1.250 -3.75 -1.250 -3.75 -1.250 -3.75 -3.7	.004 .005 .003 .003 .003 .228 .251 .236 .249 .237 .190 .174 .146 .138 .133 .126 .134 .182 .269	.001 .001 .001 .001 .001 .001 .001 .001	.012 .015 .015 .015 .014 .157 .222 .246 .258 .260 .238 .202 .164 .138 .129 .125 .134 .125 .134 .125 .136 .127 .266	005 .001 003 .014 .230 .251 .256 .256 .256 .243 .212 .178 .150 .134 .130 .133 .137 .160 .269	.016 .016 .106 .257 .277 .280 .273 .254 .200 .175 .159 .159 .144 .145 .149 .149 .149 .142 .149 .144 .149 .149 .144 .149 .149 .144 .149 .149	-196 -275 -289 -272 -227 -207 -184 -170 -185 -142 -152 -170 -184 -197 -222 -249 -272	. 123 . 189 . 196 . 203 . 201 . 197 . 191 . 184 . 171 . 153 . 133 . 125 . 117 . 114 . 120 . 132 . 161	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 139 . 164 . 137 . 225 . 238 . 139 . 239 . 229 . 225 . 239 . 225 . 239
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.75c -2.250 -2.250 -1.500 -1.500 -1.550 -1.500 -1.250 -2.250 -2.250 -3.75 -2.250 -3.75 -2.250 -3.75 -3.500 -3.500 -3.	.004 .005 .003 .003 .003 .137 .203 .228 .251 .236 .249 .237 .190 .174 .138 .133 .126 .134 .182 .269 .233 -237 .237 .237 .237 .237	.001 .001 .001 .001 .001 .001 .001 .001	.012 .015 .015 .014 .157 .222 .246 .254 .258 .260 .238 .202 .164 .138 .129 .124 .125 .134 .137 .266	005001003014230256256256256260243212178150134133137160269227223212212212212196199203	-016 -016 -106 -257 -277 -280 -273 -254 -228 -200 -175 -159 -150 -144 -145 -192 -237 -274 -213 -224 -213 -227 -213 -227 -213 -227 -213 -227 -213 -227 -213 -227 -213 -227 -227 -227 -227 -227 -227 -227 -22	-196 -199 -179 -189 -170 -184 -170 -184 -197 -222 -249 -272	. 123 . 189 . 196 . 203 . 201 . 197 . 191 . 184 . 171 . 153 . 125 . 117 . 114 . 120 . 132 . 161 237 241 242 222 2209 197 181	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 139 . 164 . 137 . 225 . 238 . 139 . 239 . 229 . 225 . 239 . 225 . 239
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -2.750 -2.500 -2.550 -1.500 -1.550	.004 .004 .005 .003 .003 .137 .203 .228 .251 .236 .249 .237 .174 .1146 .138 .133 .126 .134 .182 .269 .237 .237 .237 .237 .237 .237 .237 .237	.001 .001 .001 .001 .001 .001 .001 .001	.012 .015 .015 .015 .015 .015 .015 .222 .246 .254 .258 .260 .238 .202 .164 .138 .129 .124 .125 .134 .187 .266 .230 .232 .232 .232 .232 .232 .233 .233	-005 001 -003 014 230 251 256 256 256 243 212 178 150 134 130 133 137 160 269 -227 -218 -212 -218 -212 -196 -199 -203	-016 -016 -016 -106 -257 -277 -280 -273 -254 -228 -200 -175 -159 -150 -144 -145 -149 -162 -237 -274 -213 -203 -192 -188 -184 -188 -190 -191	-196 -190 -190 -190 -190 -190 -190 -190 -190	. 123 . 189 . 196 . 203 . 201 . 197 . 191 . 184 . 171 . 153 . 125 . 117 . 114 . 120 . 132 . 161 237 241 250 242 222 209 197 181 162	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 139 . 164 . 137 . 225 . 238 . 139 . 239 . 229 . 225 . 239 . 225 . 239
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -1.750 -1.500	.004 .005 .003 .003 .137 .228 .251 .236 .249 .237 .190 .174 .146 .138 .133 .126 .134 .126 .134 .126 .237 .269	.001 .001 .000 .001 .001 .079 .210 .234 .250 .252 .256 .246 .221 .152 .139 .110 .139 .274 .226 .225 .224 .221 .778 .221 .231 .231 .221 .202 .177	.012 .015 .015 .015 .014 .157 .222 .246 .258 .260 .238 .202 .164 .138 .129 .124 .125 .134 .187 .266 .234 .227 .227 .227 .227 .227 .227 .227 .22	005 .001003 .014 .230 .251 .256 .256 .256 .256 .243 .212 .178 .150 .134 .130 .133 .137 .160 .269227223212212212219219203203203191	-016 -016 -016 -106 -257 -277 -280 -273 -254 -228 -200 -175 -159 -159 -144 -145 -149 -162 -192 -237 -274 -213 -203 -192 -188 -188 -189 -191 -199	-196 -189 -189 -179 -189 -179 -189 -179 -188 -186 -186 -186 -186	. 123 .189 .196 .203 .201 .197 .191 .184 .171 .133 .125 .117 .114 .120 .132 .161 .237 .241 .250 .242 .229 .209 .197 .181	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 139 . 164 . 137 . 225 . 238 . 139 . 239 . 229 . 225 . 239 . 225 . 239
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -1.750 -1.500 -1.750 -1.500 -1.250	.004 .004 .005 .003 .003 .137 .203 .228 .251 .236 .249 .237 .174 .1146 .138 .133 .126 .134 .182 .269 .237 .237 .237 .237 .237 .237 .250 .251	.001 .001 .001 .001 .001 .001 .001 .001	.012 .015 .015 .015 .015 .015 .222 .246 .254 .258 .260 .238 .202 .164 .138 .129 .124 .125 .134 .126 .230 .227 .227 .230 .232 .232 .232 .232 .233 .233 .233	-005 -001 -003 -014 -230 -251 -256 -256 -256 -260 -243 -178 -150 -134 -133 -137 -160 -269 -227 -223 -212 -1196 -212 -1196 -203 -203 -191 -173	-016 -016 -016 -016 -027 -0277 -0280 -0273 -0254 -028 -0200 -0175 -0159 -0162 -0191 -0191 -0190 -0191 -0190 -0191	-190 -190 -190 -190 -190 -190 -190 -190	123 189 196 203 201 197 191 184 177 1133 125 115 114 120 132 161 -237 -241 -250 -242 -222 -209 -197 -162 -165 -1134	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 139 . 164 . 137 . 225 . 238 . 139 . 239 . 229 . 225 . 239 . 225 . 239
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.550 -2.000 -1.750 -1.500	.004 .004 .005 .003 .003 .137 .228 .251 .236 .237 .190 .174 .138 .133 .126 .134 .134 .126 .134 .269 .237 .237 .237 .237 .237 .237 .237 .237	.001 .001 .001 .001 .001 .001 .001 .001	.012 .015 .015 .015 .014 .157 .222 .246 .258 .260 .238 .202 .164 .138 .129 .124 .125 .134 .187 .266 .234 .227 .230 .227 .230 .227 .230 .227 .230 .227 .230 .232 .227 .230 .232 .238	005 .001003 .014 .230 .251 .256 .256 .256 .260 .243 .212 .178 .150 .134 .133 .137 .160 .269227223 .218212 .218212 .2196199203219203203191173150	-016 -016 -106 -106 -1257 -2277 -280 -273 -228 -200 -175 -159 -150 -144 -145 -149 -162 -192 -237 -274 -213 -203 -192 -188 -184 -190 -191 -190 -188	-190 -199 -168 -166 -166 -166 -166 -166 -166 -166	. 123 . 189 . 196 . 203 . 201 . 197 . 191 . 184 . 171 . 153 . 123 . 125 . 117 . 114 . 120 . 132 . 161 . 237 . 241 . 250 . 242 . 222 . 209 . 197 . 191 . 191	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 139 . 164 . 137 . 225 . 238 . 139 . 239 . 225 . 239 . 255 . 255
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.500 -1.500	.004 .004 .005 .003 .003 .137 .203 .228 .251 .236 .249 .237 .190 .174 .138 .133 .1134 .182 .269 .237 .237 .237 .237 .237 .237 .237 .245 .251 .269	.001 .001 .000 .001 .001 .001 .001 .001	.012 .015 .015 .015 .015 .015 .015 .222 .246 .258 .260 .238 .202 .164 .138 .129 .124 .125 .134 .187 .227 .230 .230 .230 .230 .230 .230 .231 .227 .230 .230 .230 .231 .231 .231 .231 .231 .231 .231 .231	-005 -001 -003 -014 -230 -256 -256 -256 -256 -243 -178 -150 -134 -133 -137 -160 -269 -227 -223 -212 -212 -212 -212 -212 -212 -196 -199 -203 -203 -191 -173 -150 -136	-016 -016 -016 -016 -016 -0257 -0277 -0280 -0273 -0254 -028 -0200 -0175 -0159 -0162 -0162 -0162 -0175 -0176 -0188 -0190 -0190 -0188 -0190 -0190 -0188 -0188 -0190 -0190 -0188 -0188	-190 -190 -190 -190 -190 -190 -190 -190	123 189 196 203 201 197 191 184 177 1133 125 115 114 120 132 161 -237 -241 -250 -242 -222 -209 -197 -162 -165 -1134	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 139 . 164 . 137 . 225 . 238 . 139 . 239 . 225 . 239 . 255 . 255
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.550 -2.000 -1.750 -1.500	.004 .004 .005 .003 .003 .137 .228 .251 .236 .237 .190 .174 .138 .133 .126 .134 .134 .126 .134 .269 .237 .237 .237 .237 .237 .237 .237 .237	.001 .001 .001 .001 .001 .001 .001 .001	.012 .015 .015 .015 .014 .157 .222 .246 .258 .260 .238 .202 .164 .138 .129 .124 .125 .134 .187 .266 .234 .227 .230 .227 .230 .227 .230 .227 .230 .227 .230 .232 .227 .230 .232 .238	005001003014230256256256256243178150134133137160227223212212212212212212212212212213	-016 -016 -106 -106 -1257 -2277 -280 -273 -228 -200 -175 -159 -150 -144 -145 -149 -162 -192 -237 -274 -213 -203 -192 -188 -184 -190 -191 -190 -188	-190 -199 -168 -166 -166 -166 -166 -166 -166 -166	. 123 . 189 . 196 . 203 . 201 . 197 . 191 . 184 . 171 . 153 . 123 . 125 . 117 . 114 . 120 . 132 . 161 . 237 . 241 . 250 . 242 . 222 . 209 . 197 . 191 . 191	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 139 . 164 . 137 . 225 . 238 . 139 . 239 . 225 . 239 . 255 . 255
-5.500 -5.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.550 -2.500 -1.550 -1	.004 .004 .005 .003 .003 .137 .203 .228 .251 .236 .249 .237 .174 .1146 .138 .133 .126 .134 .182 .269 .237 .237 .237 .237 .237 .237 .237 .257 .257 .257 .257 .257 .257 .257 .25	.001 .001 .001 .001 .001 .001 .001 .001	.012 .015 .015 .015 .014 .157 .222 .246 .258 .260 .238 .202 .164 .138 .129 .124 .125 .134 .187 .266 .234 .227 .227 .227 .227 .227 .230 .232 .227 .227 .230 .238 .202 .238 .203 .238 .203 .238 .238 .238 .238 .238 .238 .238 .23	005001003014230256256256260243212178150134137160269227223218212218212196199203219173150113150136113095113079	-016 -016 -016 -106 -106 -1277 -280 -277 -280 -273 -254 -200 -175 -159 -159 -164 -144 -145 -149 -162 -192 -237 -274 -213 -203 -192 -188 -188 -190 -191 -190 -188 -188 -191 -190 -188 -188 -191 -191 -190 -188	-190 -179 -184 -197 -190 -179 -186 -161 -197 -190 -179 -188 -161 -196 -167 -174 -193 -229 -225	. 123 . 189 . 196 . 203 . 201 . 197 . 191 . 184 . 171 . 153 . 123 . 125 . 117 . 114 . 120 . 132 . 161 . 237 . 241 . 250 . 242 . 222 . 209 . 197 . 191 . 191	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 139 . 164 . 137 . 225 . 238 . 139 . 239 . 225 . 239 . 255 . 255
-5.500 -5.500 -4.500 -4.500 -4.500 -4.500 -3.500 -3.500 -3.500 -2.750 -2.500 -2.250 -1.500 -1.500 -1.500 -1.550 -1.500 -1.250 -1	.004 .004 .005 .003 .003 .137 .203 .228 .251 .236 .249 .237 .190 .174 .138 .133 .126 .134 .182 .269 .233 -237 .237 .237 .237 .237 .237 .237 .237	.001 .001 .001 .001 .001 .001 .001 .001	.012 .015 .015 .015 .015 .015 .015 .222 .246 .254 .258 .260 .238 .202 .164 .138 .129 .124 .125 .134 .187 .227 .230 .230 .230 .230 .231 .227 .230 .230 .230 .231 .231 .231 .231 .231 .231 .231 .231	0050010030142302562562562562602432121781501341371602692272232182122182121961992032191731501361361150136	-016 -016 -016 -016 -016 -0257 -0277 -0280 -0273 -0254 -028 -0200 -0175 -0159 -0164 -0162 -0237 -0274 -023 -0237 -0274 -0213 -0203 -0192 -0188 -0190 -0190 -0190 -0190 -0190 -0198 -0188 -0191 -0190 -0198 -0188 -0191 -0190 -0198 -0188 -0191 -0190 -0198 -0188 -0191 -0190 -0198 -0188 -0191 -0190 -0198 -0188 -0191 -0190 -0198 -0188 -0191 -0190 -0198	-190 -190 -190 -193 -194 -190 -197 -188 -186 -186 -186 -186 -186 -187 -193 -229 -227	. 123 . 189 . 196 . 203 . 201 . 197 . 191 . 184 . 171 . 153 . 123 . 125 . 117 . 114 . 120 . 132 . 161 . 237 . 241 . 250 . 242 . 222 . 209 . 197 . 191 . 191	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	. 229 . 295 . 382 . 463 . 405 . 237 . 242 . 241 . 139 . 164 . 137 . 225 . 238 . 139 . 239 . 225 . 239 . 255 . 255

Table 22 Concluded
Plate and Spoiler Pressure Coefficients
Configuration 4 M=2.01 $R=0.30 \times 10^6$

		001111	guration 4	M= 2	•01	R= 0.30	X 10		
x,in.	T Row O	Row I	Row 3	Plate Row 4	Row 6	1 0- 7	1 0- 0	Spo	ler
^,	1. 1.0% 0	T NOW 1	I NOW 3		-	Row 7	Row 9	Orifice No.	
				Λ=	60				
-6.000 -5.500	•007	•003	•015	•000	•022	•016		1	• 221
-5.000	•008	•003	•014 •014	003	•022	•017 •092		2 3	• 274
-4.500	•006	•000	•015	•003	•022	.186		4	.319
-4.000	•003	•002	•016	•001	•031	•206	•007	5	.313
-3.500 -3.000	.003	•000	•015	•003	•152	•216	•075	6	.261
-2.750	.088	•079	•096	•107 •149	•195 •203	•203 •177	•135	7 8	216
-2.500	•138	•127	149	.168	•205	•156	•160	9	222
-2.250 -2.000	•170	•161	•169	.181	•208	•143	.166	10	225
-1.750	•166 •187	•174 •182	•181 •185	•185 •190	•205 •194	•131	• 169 • 151	11	234
-1.500	•179	•180	.182	•189	•169	.120	•163	12	• 140 • 159
-1.250	•154	•192	.184	• 174	•139	•129	•169	14	.203
-1.000 750	•175 •141	•180 •139	•170 •123	• 137	• 126	•142	•159	15	. 244
625	117	•113	.108	•114	•130 •134	•162 •173	•137 •113	16	• 268 • 242
500	.112	•097	.105	•115	.144	•188	•094	18	.131
375	.109	•113	.112	•127	•159	.204	•084	19	206
250 125	•120 •176	•127	•132 •180	•154	•188	•228	•095	20	221
.000	•263	• 266	.262	• 261	•223	•270	•124 •177	21	221 200
•250	209	202	208	203			- 100	Waster Co.	
• 375	207	203	204	199	184		199 211		
•500	221	209	212	195	177		216		
.750 1.000	230 241	208	203 217	190	169	168	206		
1.250	261	183 254	217	187 162	165 155	159 147	201 185		
1.500	246	244	249	201	149	136	170		
1.750	095	239	244	191	151	123	178		
2.000	233 247	245 231	200	185 184	168 188	115 115	219		
2.500	218	231	227	192	168	114	203 182		
2.750	093	208	229	197	153	138	162	424	
3.000	•050	114	229	214	160	175	184		
4.000	.042 .018	•068	159 .063	195 184	-•175 -•208	203 173		THE RESERVE OF THE PARTY OF THE	
4.500	•009	•029	.041	173	221	164			
5.000	•003	•019	•026	033	221	162			
5.500	005	•015 •015	•015	•091 •091	221 216	156 147			
					5°				
	205								
-6.000 -5.500	•005	•004	.014	001	.019	•024 •056		1 2	.053
-5:000	.007	•002	.014	003	.021	•083		3	.070
-4.500	•004	•002	•012	•001	.034	•099		4	.064
-4.000 -3.500	.009 .018	•005	.015	•004	•061	•106	•038	5	•052
-3.000	•043	•037	.053	•027	.089	•099	•052 •051	6 7	032
-2.750	•055	•069	.059	.067	.094	.088	.051	8	123
-2.500	•061	•061	•070	•068	•094	•086	•052	9	134
-2.250	•077	•067	•072	•067 •068	.089 .087	•088	•048	10	143
-1.750	.079	•067	.073	.068	.087	•083 •079	•048 •048	11	148
-1.500	•064	•064	•065	•066	.088	•077	•048	13	.038
-1.250 -1.000	.042	•065	.065	•066	.084	•075	•048	14	• 044
750	•066	•067	•063 •062	•065 •065	.084	•069 •068	•048	15 16	• 050
			•062	•062	•079	•068	•048	17	.029
625	.065	•066			071				
500	•069	•041	•061	•059	•076	•062	• 048	18	011
500 375	•069	•041 •063	.061 .061	•058	•072	•062 •064	•048	19	011 160
500 375 250 125	•069	•041	.061 .061 .056		.072 .069	•062	•048	19	011 160 172
500 375	.069 .062 .061	•041 •063	.061 .061	•058	•072	•062 •064	•048	19	011 160
500 375 250 125 .000	.069 .062 .061 .056 .093	.041 .063 .061 .095	.061 .061 .056 .048 .089	.058 .059 .088	.072 .069	•062 •064 •066	.048 .048 .048	19 20 21	011 160 172 171
500 375 250 125 .000	.069 .062 .061 .056 .093	.041 .063 .061 .095	.061 .061 .056 .048 .089	.058 .059 .088 103 098	.072 .069 .066 .118	•062 •064 •066	.048 .048 .048 .048 .048	19 20 21	011 160 172 171
500 375 250 125 .000 .250 .375 .500	.069 .062 .061 .056 .093 118 128	.041 .063 .061 .095 111 120	.061 .061 .056 .048 .089	.058 .059 .088 103 098 099	.072 .069 .066 .118	•062 •064 •066	.048 .048 .048 .048 .048	19 20 21	011 160 172 171
500 375 250 125 .000	.069 .062 .061 .056 .093 118 128 134	.041 .063 .061 .095 111 120 118	.061 .061 .056 .048 .089 114 111 124	.058 .059 .088 103 098 099 102	.072 .069 .066 .118	.062 .064 .066 .114	.048 .048 .048 .048 157 165 168 159	19 20 21	011 160 172 171
500 375 250 125 .000 .250 .375 .500 .750	.069 .062 .061 .056 .093 118 128	.041 .063 .061 .095 111 120	.061 .061 .056 .048 .089	.058 .059 .088 103 098 099	.072 .069 .066 .118	.062 .064 .066 .114	.048 .048 .048 .048 .048 157 165 168 159 175	19 20 21	011 160 172 171
500 375 250 125 .000 .250 .375 .500 .750 1.000 1.250 1.500	.069 .062 .061 .056 .093 128 128 134 184 185 195	.041 .063 .061 .095 111 120 118 125 131 200 192	.061 .061 .056 .048 .089 114 111 124 119 132 177 235	.058 .059 .088 103 098 099 102 102 081 087	.072 .069 .066 .118 073 063 056 066 058	-062 -064 -066 -114	.048 .048 .048 .048 157 165 168 159 175 110	19 20 21	011 160 172 171
500 375 250 125 .000 .375 .500 .750 1.000 1.250 1.500 1.750	.069 .062 .061 .056 .093 118 128 134 154 184 195 159	.041 .063 .061 .095 111 120 118 125 131 200 192 099	.061 .061 .056 .048 .089 114 111 124 119 132 177 235 203	.058 .059 .088 103 098 099 102 102 081 087 117	.072 .069 .066 .118 073 063 056 066 058 051	-062 -064 -066 -114 045 032 004 -021 -040	.048 .048 .048 .048 .048 157 165 168 175 110 082 073	19 20 21	011 160 172 171
500 375 250 125 .000 .250 .375 .500 .750 1.000 1.250 1.500 1.750 2.000	.069 .062 .061 .056 .093 118 128 134 154 184 195 159 .025	.041 .063 .061 .095 111 120 118 125 131 200 192 099 023	.061 .061 .056 .048 .089 114 111 124 119 132 177 235 203	.058 .059 .088 103 098 099 102 102 081 087 117	.072 .069 .066 .118 073 063 056 058 051 051	-062 -064 -066 -114 045 032 004 -021 -040 -051	.048 .048 .048 .048 157 165 168 159 175 110 082 073 055	19 20 21	011 160 172 171
\$00 \$75 \$250 \$125 -\$000 -\$250 -\$375 -\$500 -\$750 1.000 1.250 1.500 1.750 2.000 2.250 2.250	.069 .062 .061 .055 .093 118 128 134 154 184 195 159 .025 004	.041 .063 .061 .095 111 120 118 125 131 200 192 099 023 .010	.061 .061 .056 .048 .089 114 111 124 119 132 177 235 203	.058 .059 .088 103 098 099 102 102 081 087 117	.072 .069 .066 .118 073 063 056 066 058 051	-062 -064 -066 -114 045 032 004 -021 -040	.048 .048 .048 .048 .048 157 165 168 175 110 082 073	19 20 21	011 160 172 171
500 375 250 125 -000 *250 *375 *500 -750 1.000 1.250 1.500 1.500 2.000 2.250 2.250 2.750	.069 .062 .061 .056 .093 118 128 134 184 195 159 .025 004 .009	.041 .063 .061 .095 111 120 118 125 131 200 192 099 .010 .017	.061 .061 .056 .048 .089 114 111 124 119 132 177 235 203 102 056 014	.058 .059 .088 -103 098 099 -102 102 081 087 117 140 154 096	.072 .069 .066 .118 073 063 056 058 051 051 051 058 074 053	-062 -064 -066 -114 045 032 004 -021 -004 -055 -055 -009	.048 .048 .048 .048 .048 -157 -165 -165 -175 -110 .082 -073 -075 .025 .025	19 20 21	011 160 172 171
\$00 \$75 \$250 \$125 -000 -250 -375 -500 -750 1.000 1.250 1.500 1.750 2.000 2.250 2.500	.069 .062 .061 .056 .093 118 128 134 154 195 195 025 004 .009	.041 .063 .061 .095 111 120 118 125 131 200 192 099 023 .010 .017 .015	.061 .061 .056 .048 .089 114 111 124 119 132 177 235 203 102 014 008 014	.058 .059 .088 098 099 102 102 081 087 117 140 154 096 041	.072 .069 .066 .118 073 063 056 058 051 051 051 053 074 053	-062 -064 -066 -114 045 032 004 -021 -051 -055 -009 108	.048 .048 .048 .048 -0157 -165 -1165 -1175 -110 -082 -073 -055 .025	19 20 21	011 160 172 171
500 375 250 125 -000 *250 *375 *500 -750 1.000 1.250 1.500 1.500 2.000 2.250 2.250 2.750	.069 .062 .061 .056 .093 118 128 134 184 195 159 .025 004 .009	.041 .063 .061 .095 111 120 118 125 131 200 192 099 023 .010 .015 .014	.061 .061 .056 .048 .089 114 111 124 119 132 177 235 203 016 014 008 006	.058 .059 .088 -103 098 099 -102 -102 -102 081 087 117 1140 154 096 041 .006	-072 -069 -066 -118 -073 -063 -056 -066 -051 -051 -051 -059 -074 -053 -072 -072 -072	-062 -064 -066 -114 045 -032 -004 -021 -040 -051 -055 -009 -170	.048 .048 .048 .048 .048 -157 -165 -165 -175 -110 .082 -073 -075 .025 .025	19 20 21	011 160 172 171
500 375 250 125 -000 -250 -375 -500 -750 1.000 1.250 1.750 2.000 2.250 2.450 2.450 3.000 4.000 4.500 4.000 4.500 2.450 3.600 4.6000 4.600 4.600 4.600 4.6000 4.6000 4.6000 4.6000 4.6000 4.6000 4.6000 4.	.069 .062 .061 .056 .093 118 128 134 184 195 159 .025 004 .009	.041 .063 .061 .095 111 120 118 125 131 200 192 099 023 .010 .017 .015	.061 .061 .056 .048 .089 114 111 124 119 132 177 235 203 102 014 008 014	.058 .059 .088 098 099 102 102 081 087 117 140 154 096 041	.072 .069 .066 .118 073 063 056 056 051 051 059 074 053 028 028 028 028 058	-062 -064 -066 -114 -032 -004 -021 -040 -055 -055 -09 -108 -170 -126	.048 .048 .048 .048 .048 -157 -165 -165 -175 -110 .082 -073 -075 .025 .025	19 20 21	011 160 172 171
500 375 250 125 -000 125 -500 -750 1.000 1.250 1.250 1.500 2.250 2.250 2.500 2.500 3.500 3.500 3.500 3.500 3.500 3.500 3.500 3.500 3.500 3.500 3.500 3.500 3.500 3.500 3.500 3.750 3.7	.069 .062 .061 .056 .093 118 128 134 154 184 195 025 004 .007 .008	.041 .063 .061 .095 111 120 118 125 131 200 199 099 023 .010 .017 .014 .012	.061 .061 .056 .048 .089 114 111 124 119 132 177 235 203 102 014 006 004	.058 .059 .088 -103 -098 -099 -102 -102 -102 -1081 -087 -1117 -1140 -154 -096 -041 .006 .037	-072 -069 -066 -118 -073 -063 -056 -066 -051 -051 -051 -059 -074 -053 -072 -072 -072	-062 -064 -066 -114 045 -032 -004 -021 -040 -051 -055 -009 -170	.048 .048 .048 .048 .048 -157 -165 -165 -175 -110 .082 -073 -075 .025 .025	19 20 21	011 160 172 171

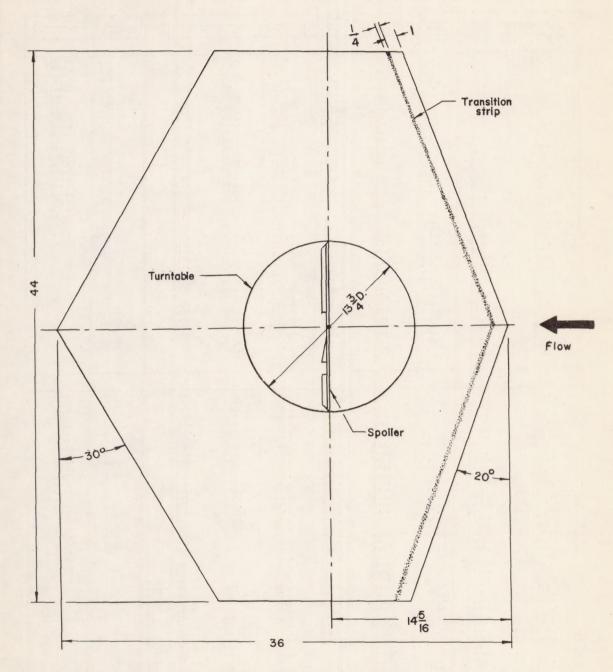
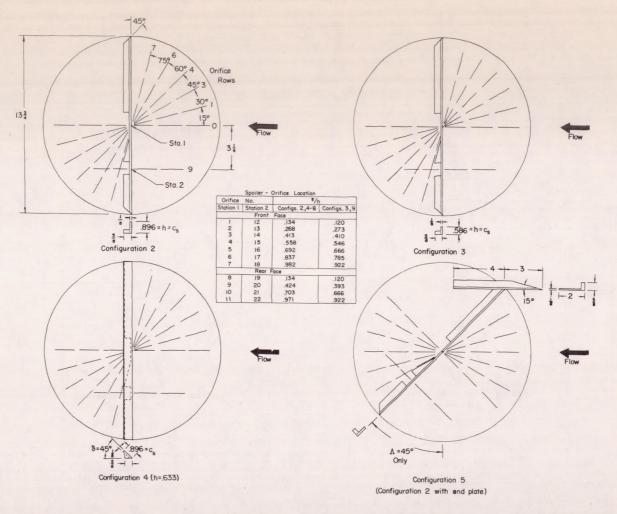


Figure 1.- Sketch of test setup on boundary-layer bypass plate. All dimensions in inches.

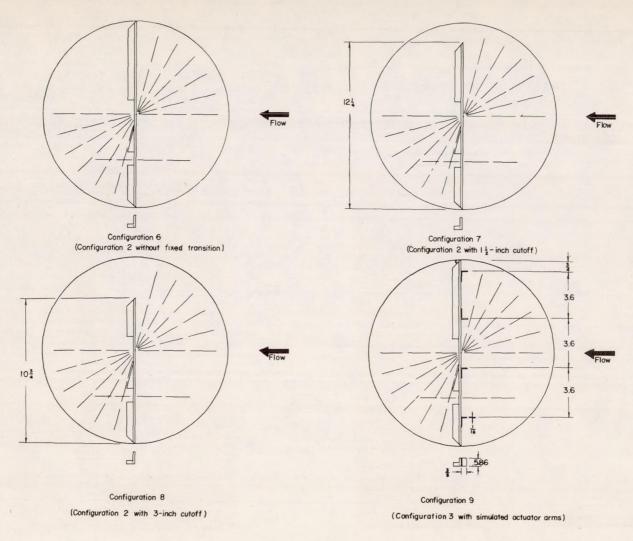


(a) Basic configurations.

Figure 2.- Sketches of spoiler configurations mounted on turntable.

Dashed lines indicate rows of orifices. All dimensions in inches.

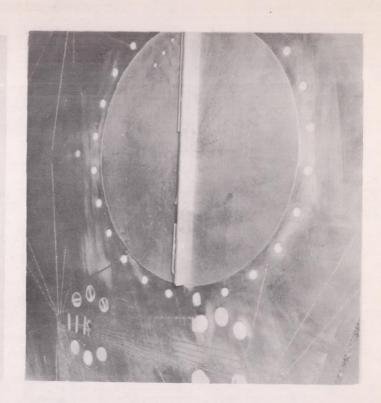
CONFIDENTIAL



(b) Modified configurations.

Figure 2. - Concluded.





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Figure 3.- Distant and closeup photographs of configuration 3 mounted on boundary-layer bypass plate.

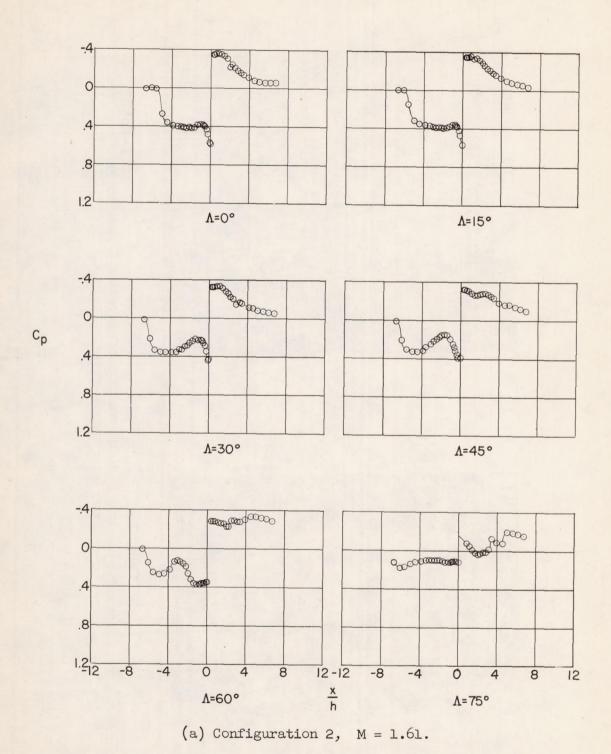
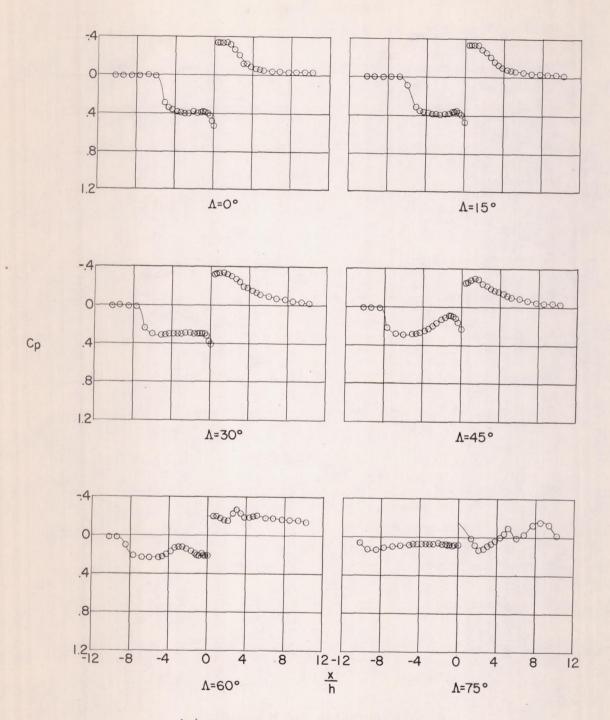
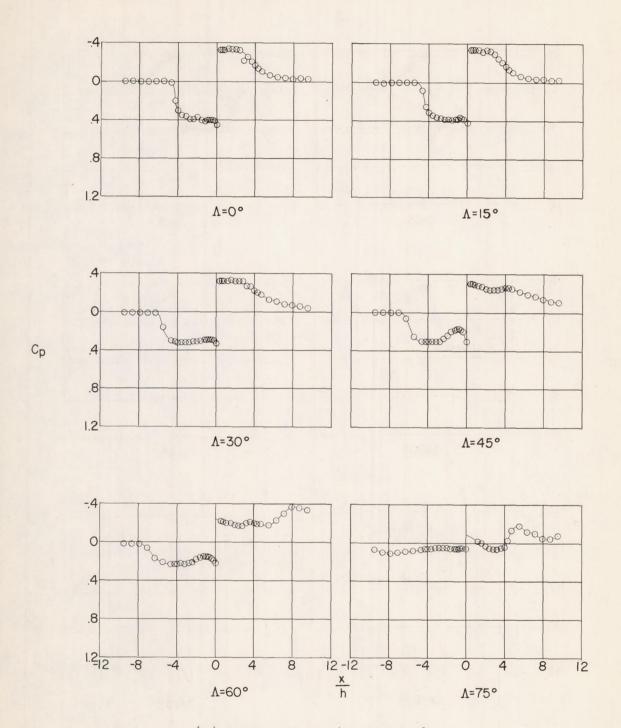


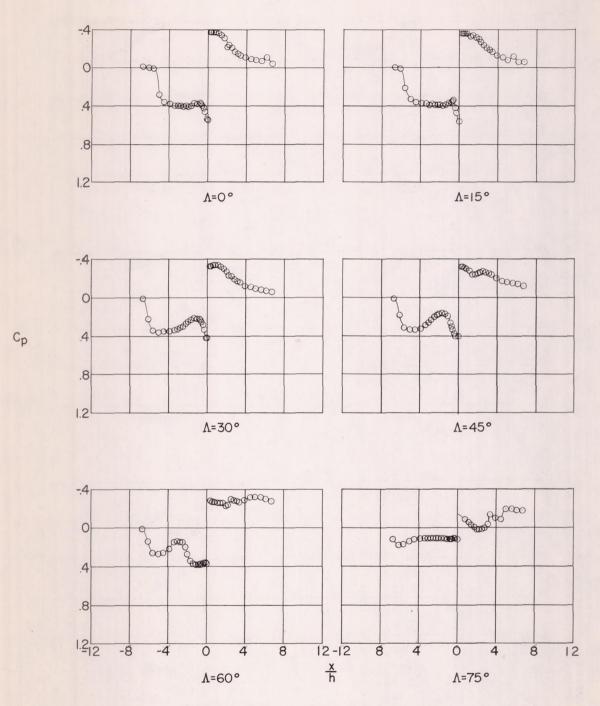
Figure 4.- Basic streamwise pressure distributions along plate. $R = 0.30 \, \times \, 10^6 \, .$



(b) Configuration 3, M = 1.61.
Figure 4.- Continued.

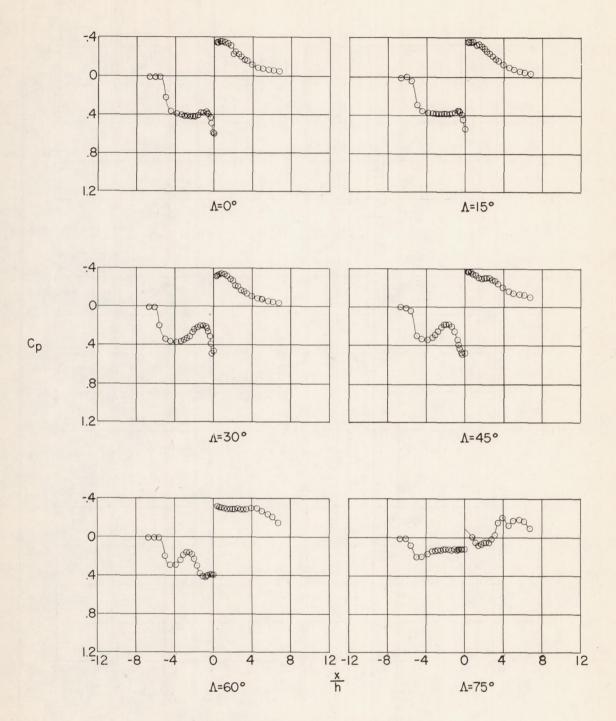


(c) Configuration 4, M = 1.61. Figure 4. - Continued.



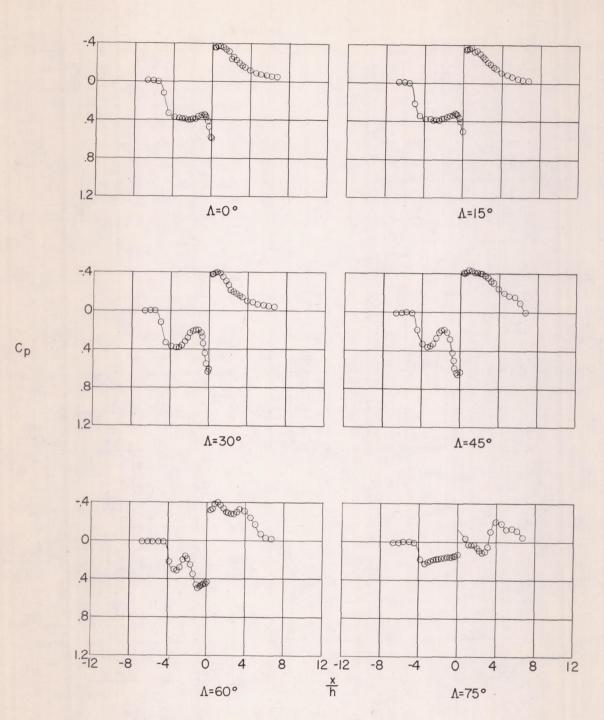
(d) Configuration 6, M = 1.61.

Figure 4. - Continued.



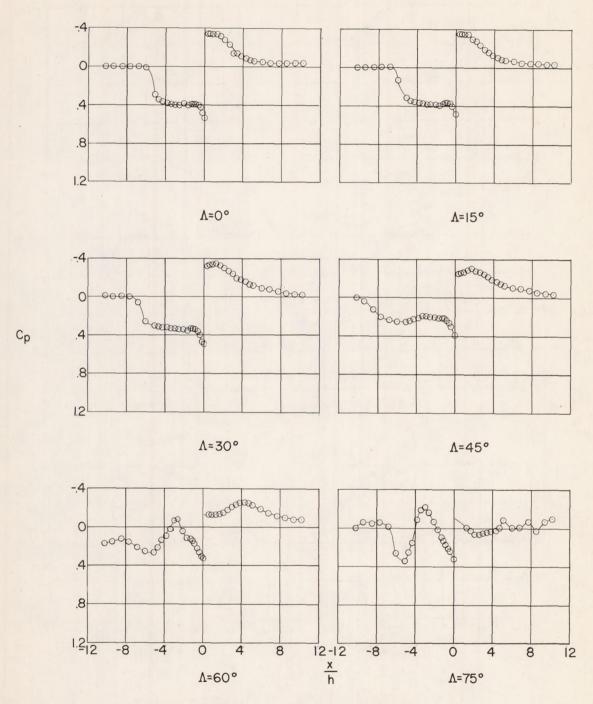
(e) Configuration 7, M = 1.61.

Figure 4.- Continued.

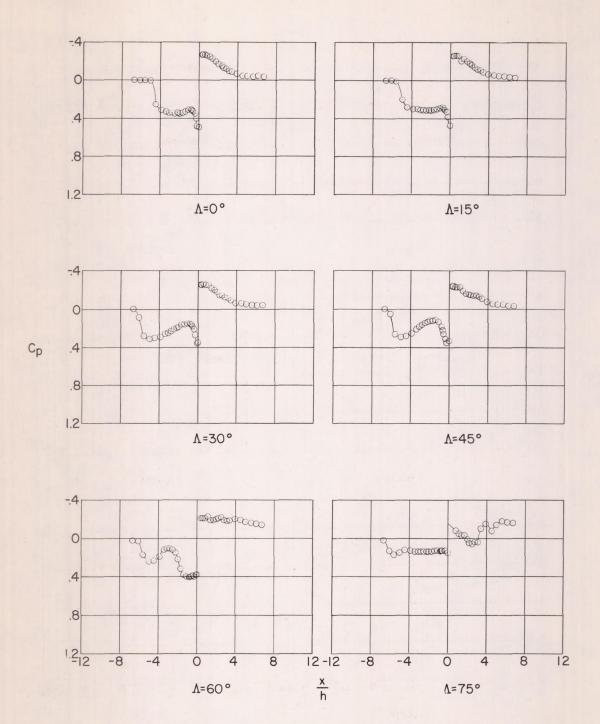


(f) Configuration 8, M = 1.61.

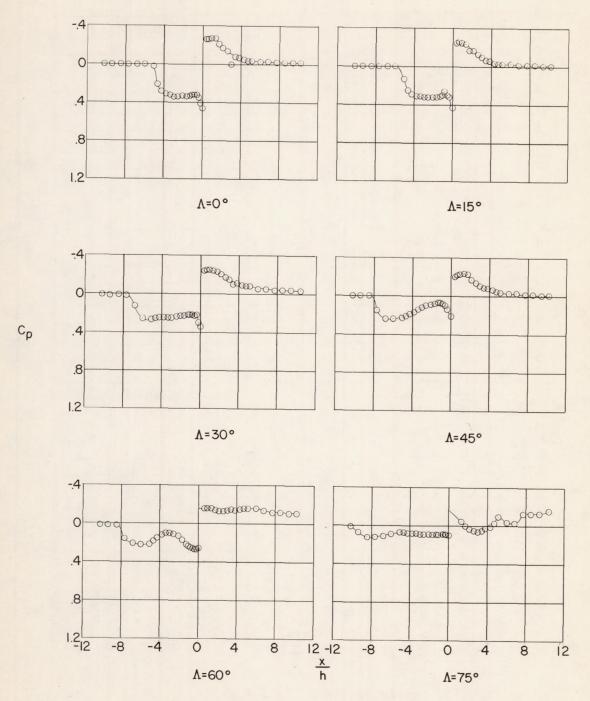
Figure 4. - Continued.



(g) Configuration 9, M = 1.61. Figure 4. - Continued.

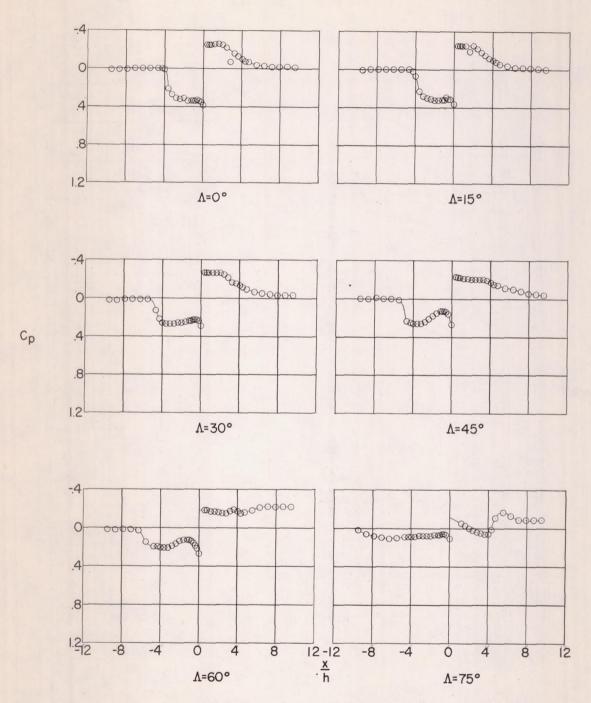


(h) Configuration 2, M = 2.01. Figure 4. - Continued.



(i) Configuration 3, M = 2.01.

Figure 4. - Continued.



(j) Configuration 4, M = 2.01.

Figure 4. - Concluded.

CONFIDENTIAL

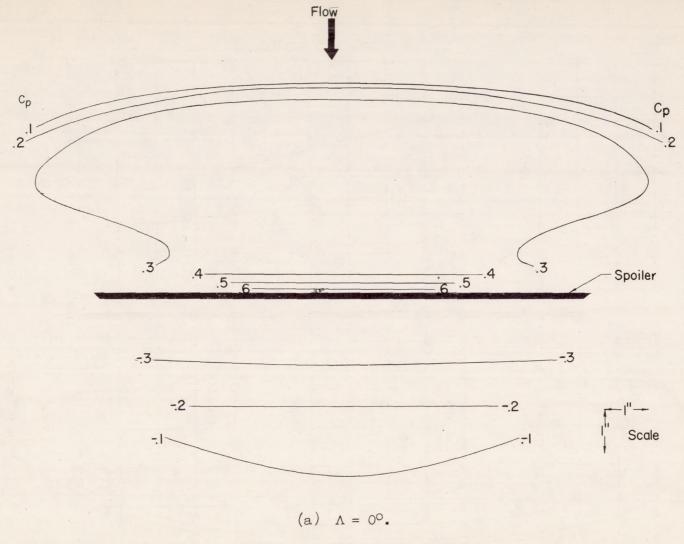
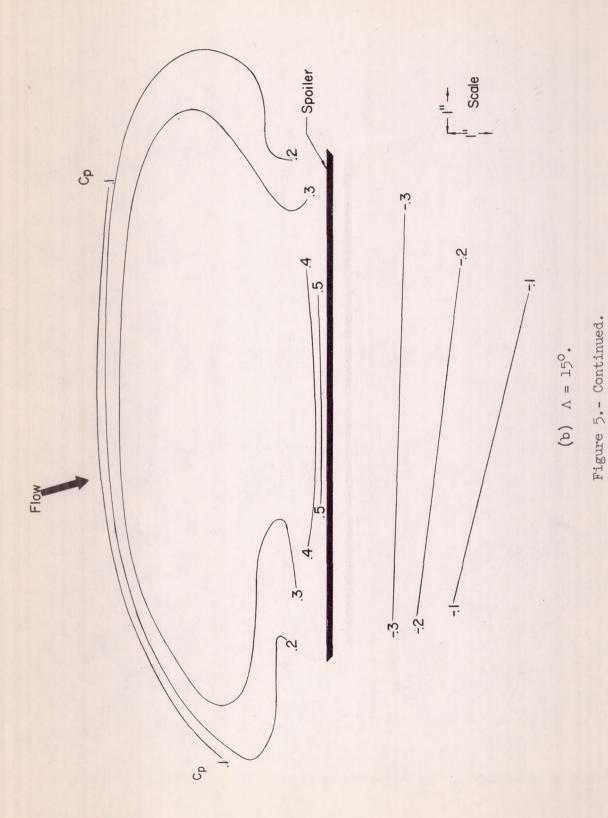
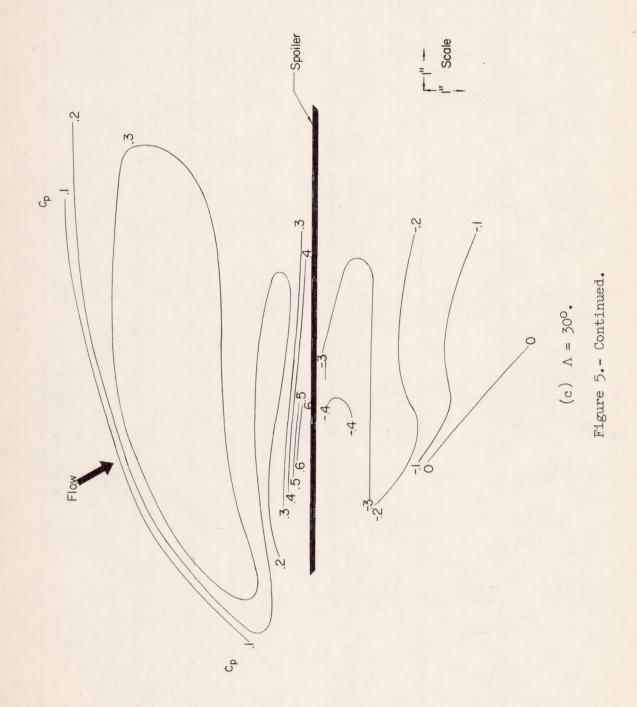
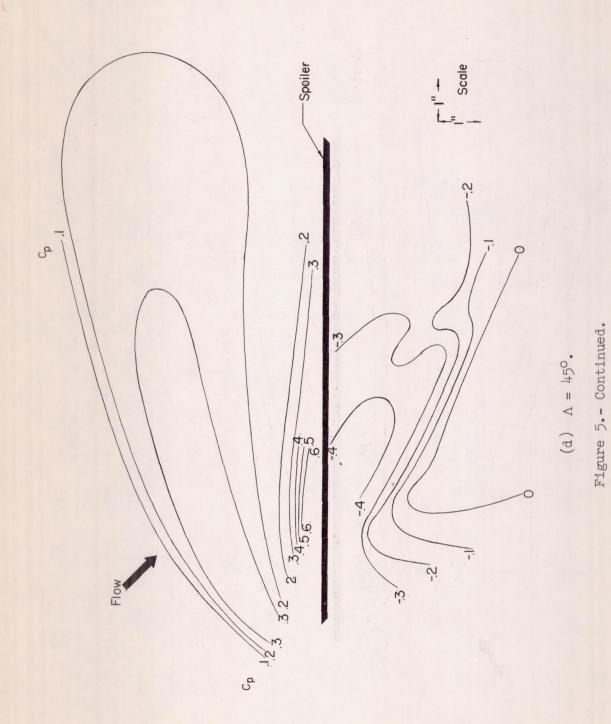


Figure 5. - Contour plots showing lines of constant pressure coefficient in flow field of configuration 8. M = 1.61; $R = 0.30 \times 10^6$.

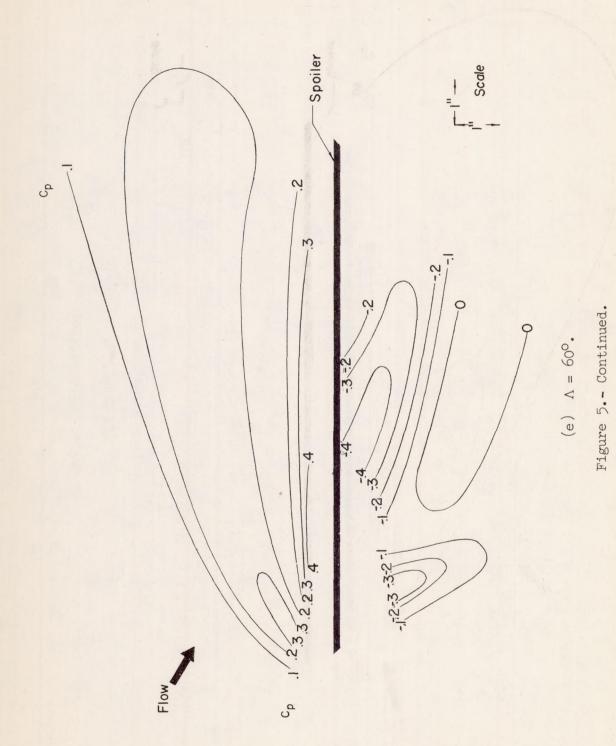


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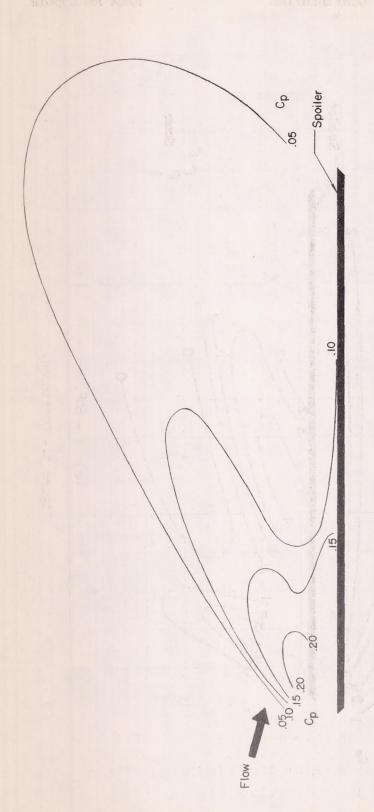




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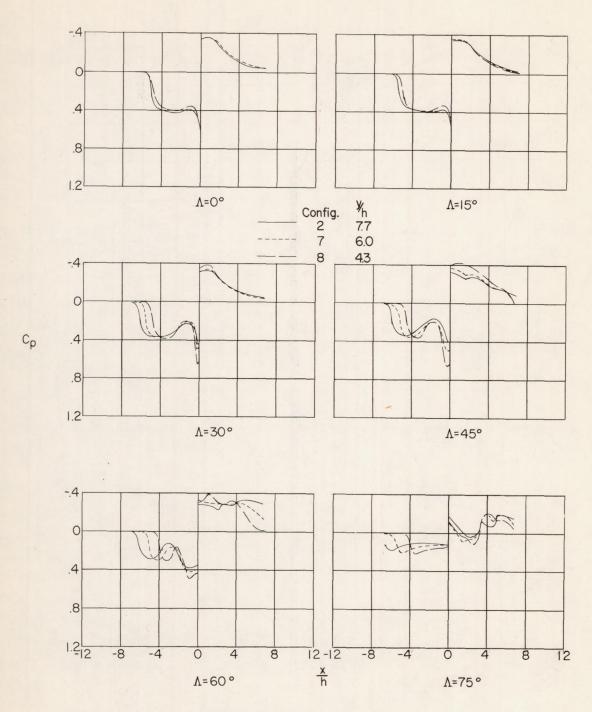
CONFIDENTIAL



Scale -

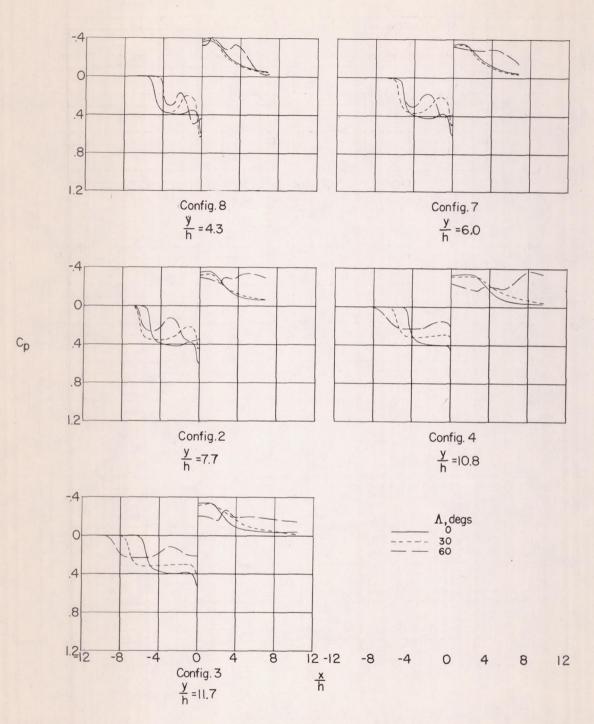
(f) $\Lambda = 75^{\circ}$. Figure 5.- Concluded.

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(a) Effect of tip cutoffs.

Figure 6.- Comparison of streamwise pressure distributions showing spanwise effects, M = 1.61; $R = 0.30 \times 10^6$.



(b) Effect of y/h.

Figure 6. - Concluded.

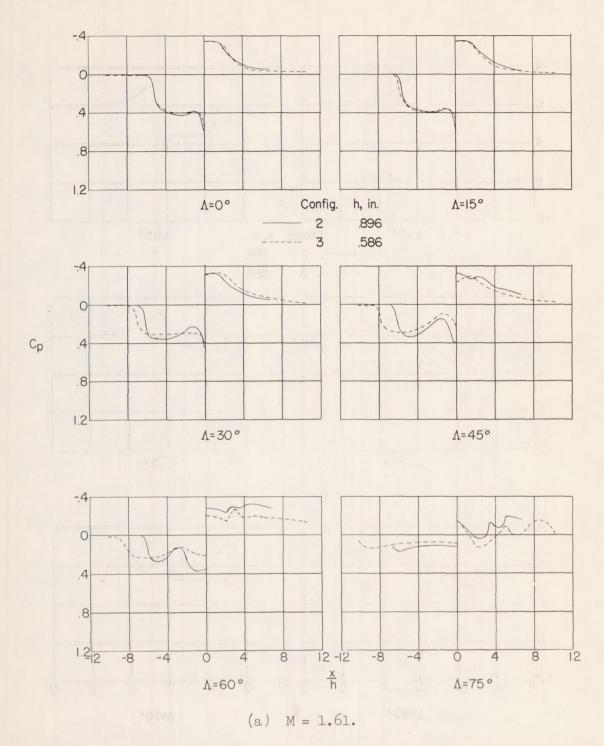


Figure 7.- Comparison of streamwise pressure distributions showing effect of spoiler height. $R = 0.30 \times 10^6$.

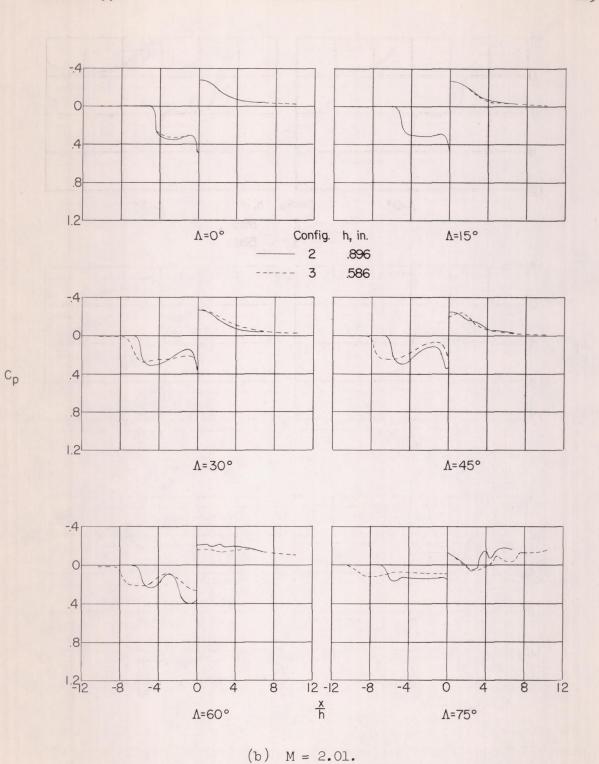


Figure 7. - Concluded.

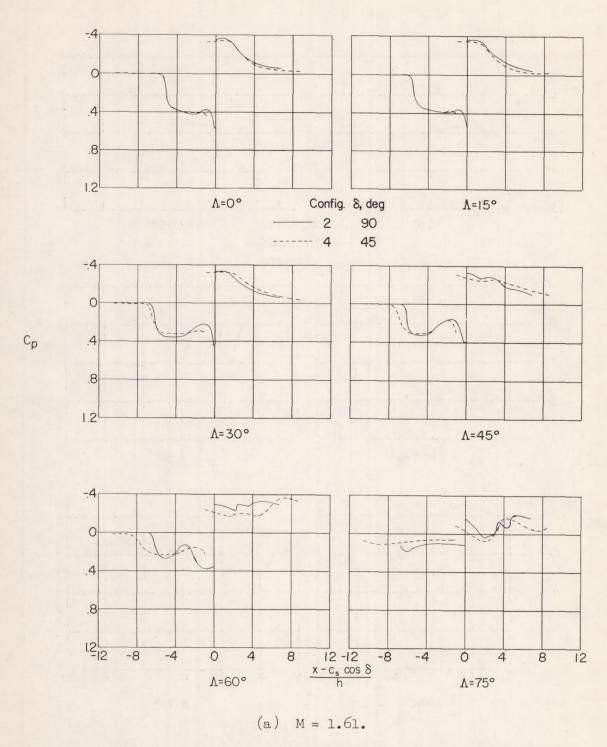
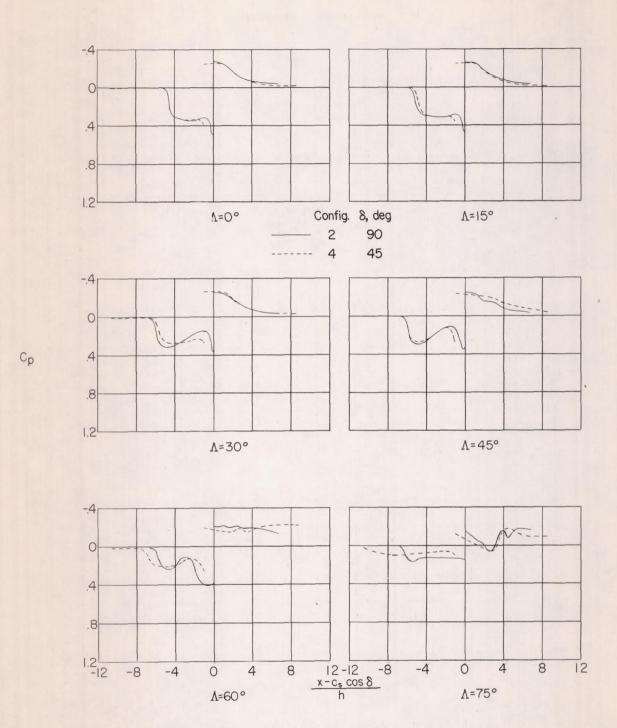


Figure 8.- Comparison of streamwise pressure distributions showing effect of spoiler deflection angle. $R = 0.30 \times 10^6$.



(b) M = 2.01.

Figure 8. - Concluded.

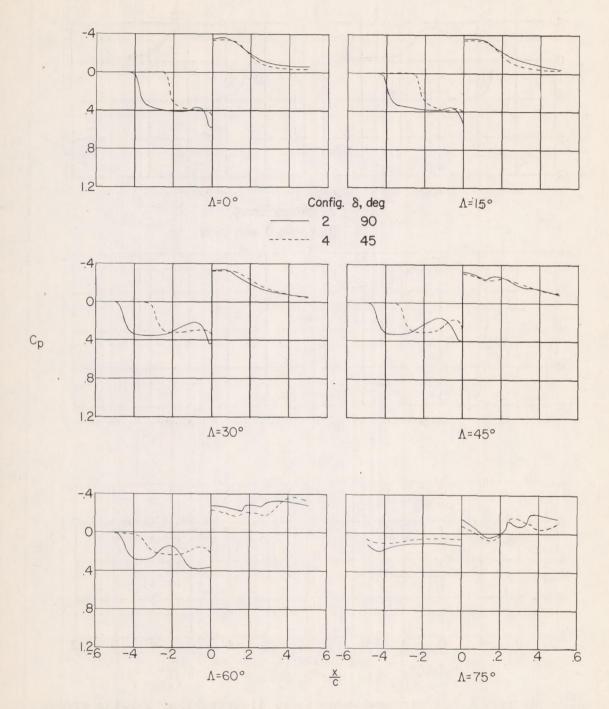


Figure 9.- Effect of spoiler deflection angle on the streamwise pressure distributions of a hypothetical flat-plate wing. M = 1.61; $R = 0.30 \times 10^6$.

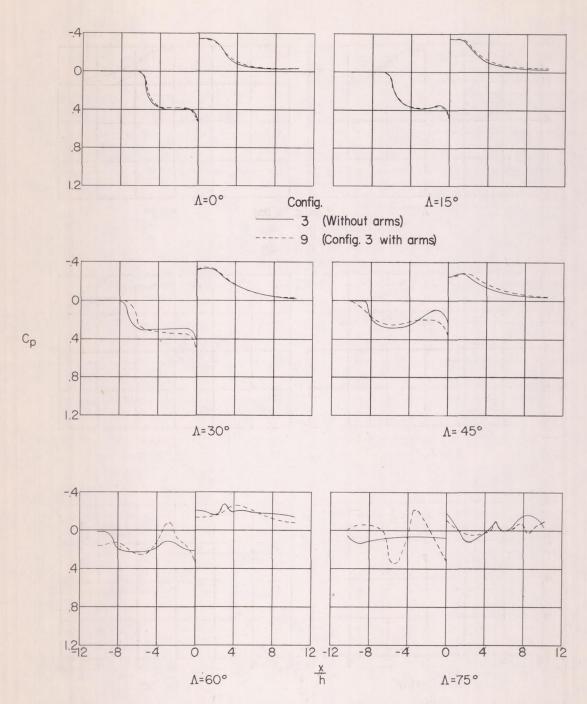


Figure 10.- Comparison of streamwise pressure distributions showing effect of the simulated actuator arms. M = 1.61; $R = 0.30 \times 10^6$.

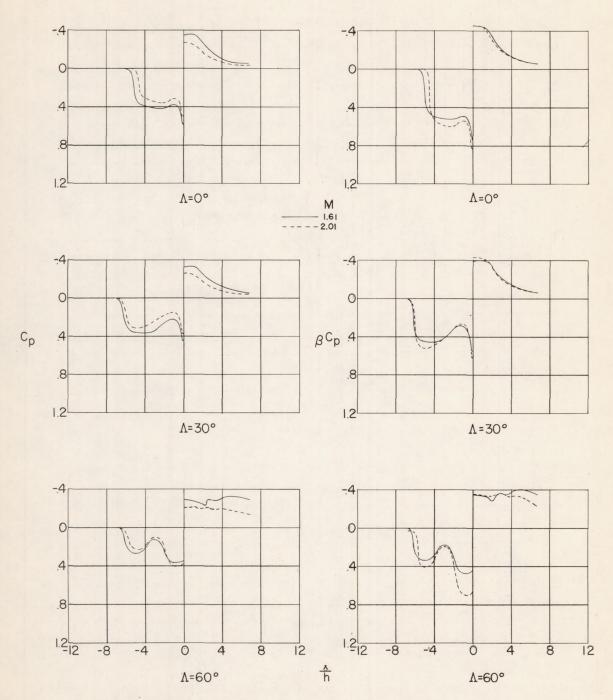


Figure 11.- Effect of Mach number on the streamwise pressure distributions for configuration 2 and correlation of same with β relationship. R = 0.30 \times 10⁶.

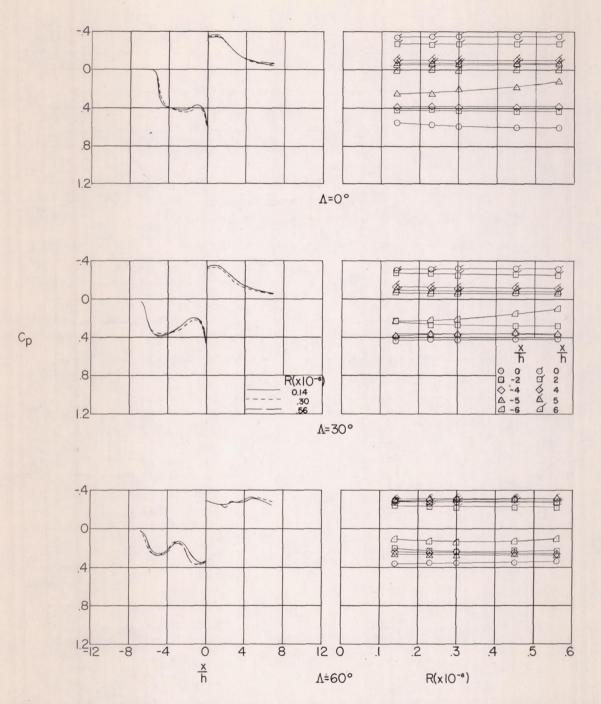
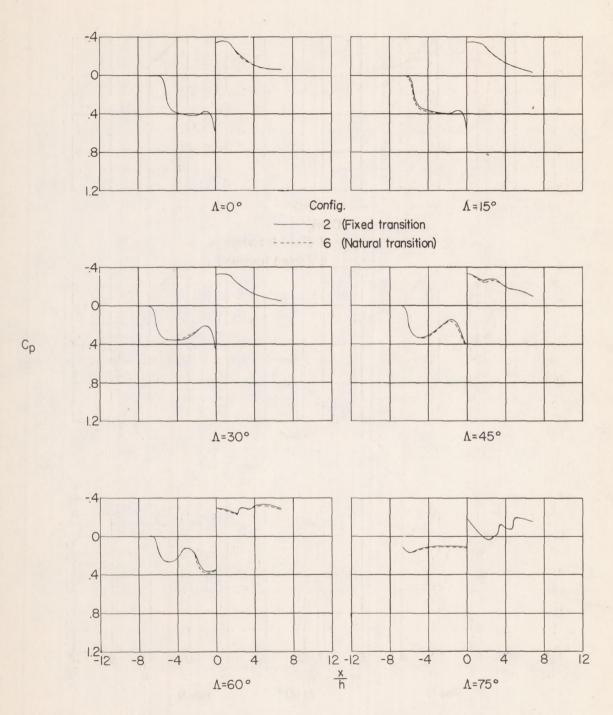
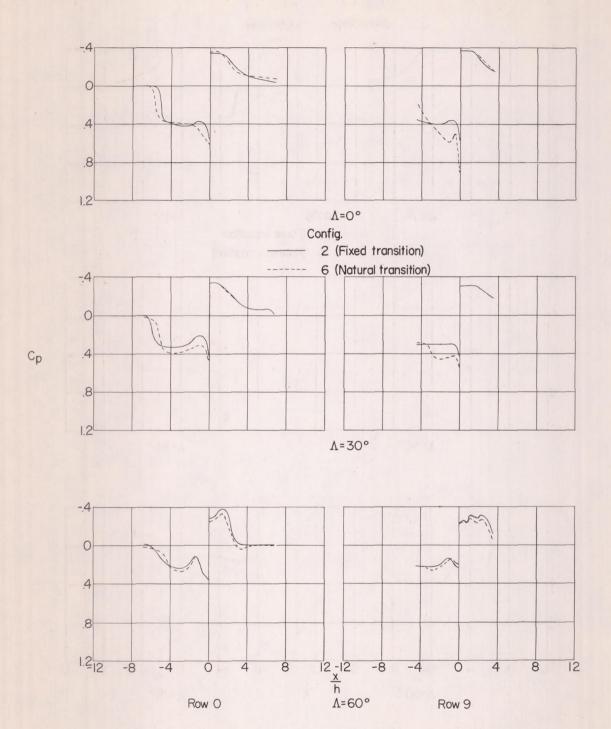


Figure 12.- Effect of Reynolds number on the streamwise pressure distributions for configuration 2. M = 1.61.



(a) Streamwise distributions. $R = 0.30 \times 10^6$.

Figure 13.- Effect of fixing transition on pressure distributions. M = 1.61.



(b) Perpendicular distributions. $R = 0.14 \times 10^6$.

Figure 13. - Concluded.

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Config.

2 (No endplate)

5 (With endplate)

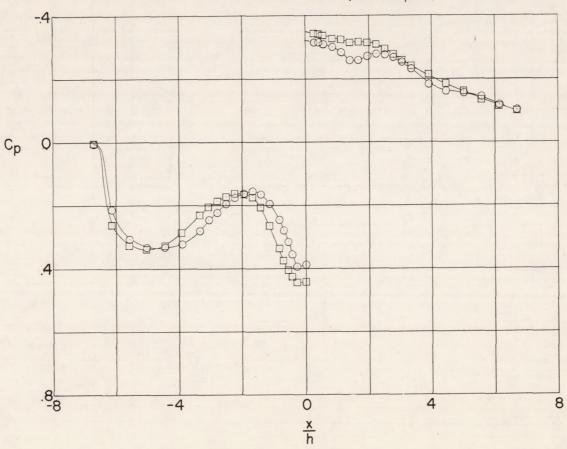
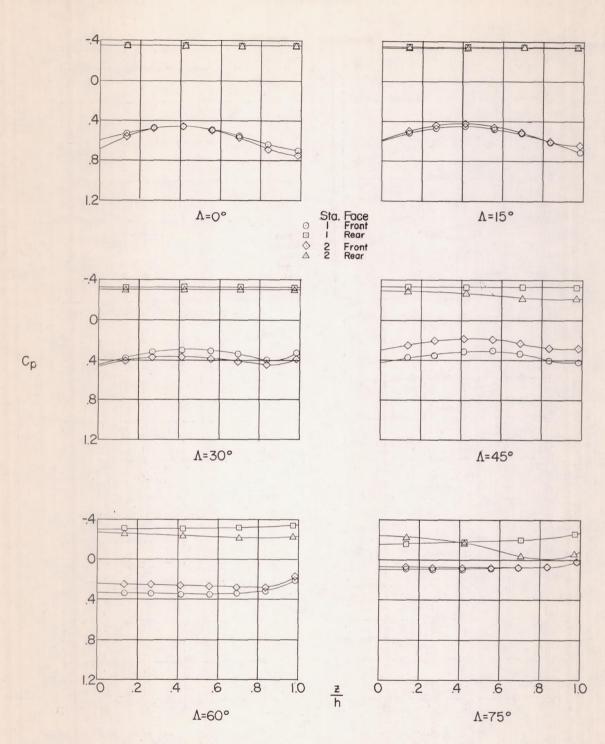


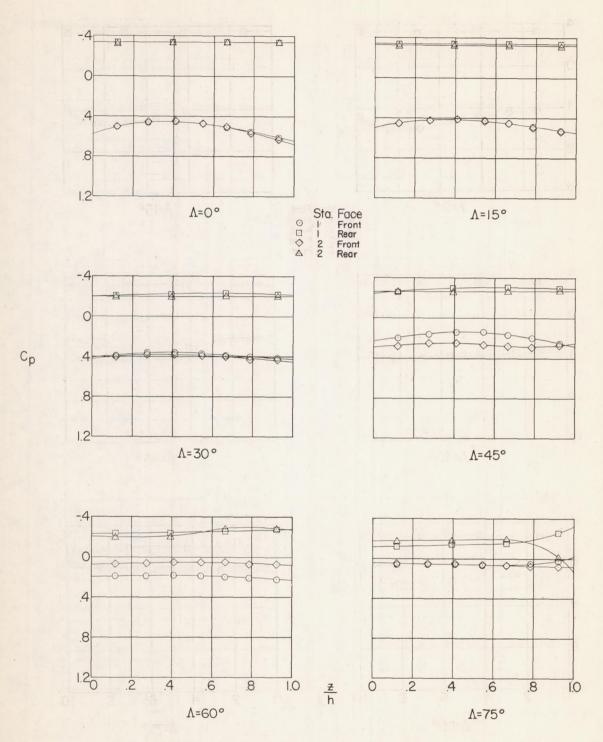
Figure 14.- Effect of the endplate on the streamwise pressure distribution. M = 1.61; R = 0.30 \times 10⁶; Λ = 45°.

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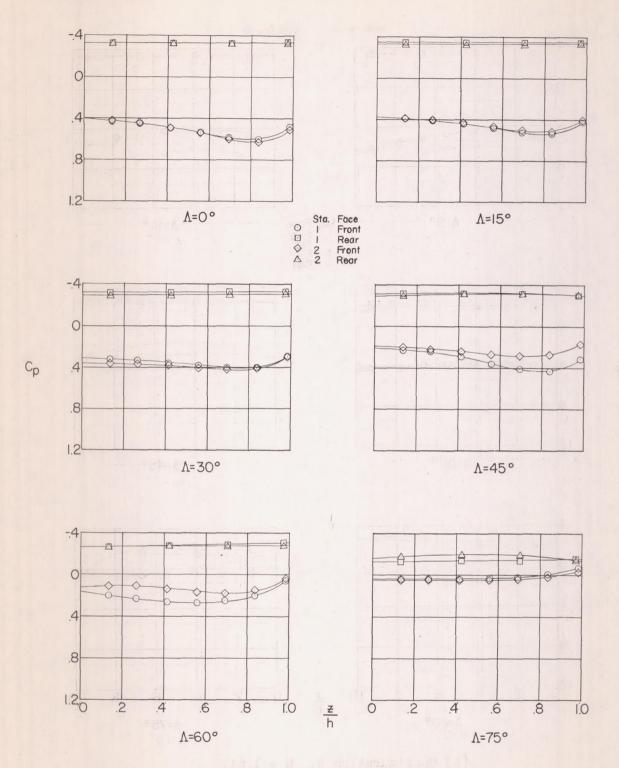


(a) Configuration 2, M = 1.61.

Figure 15.- Basic pressure distributions on spoiler faces. $R = 0.30 \times 10^6$.

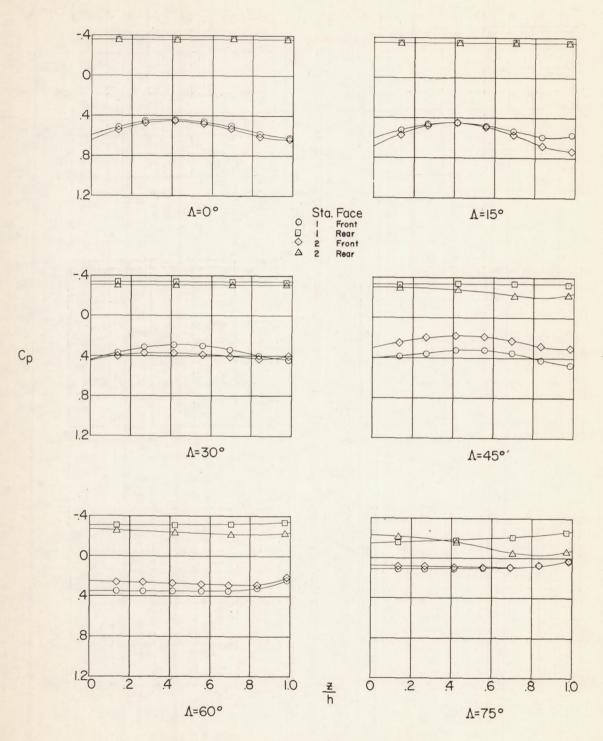


(b) Configuration 3, M = 1.61.
Figure 15.- Continued.



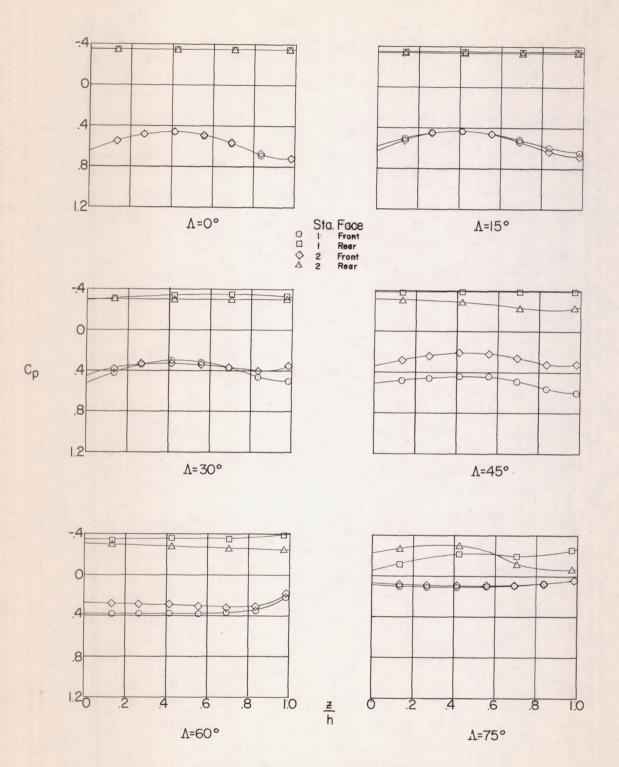
(c) Configuration 4, M = 1.61.

Figure 15. - Continued.



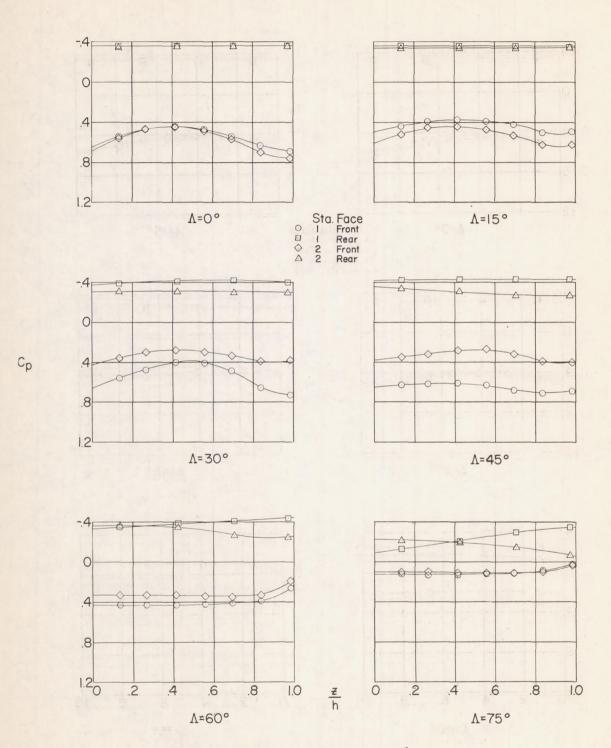
(d) Configuration 6, M = 1.61.

Figure 15.- Continued.

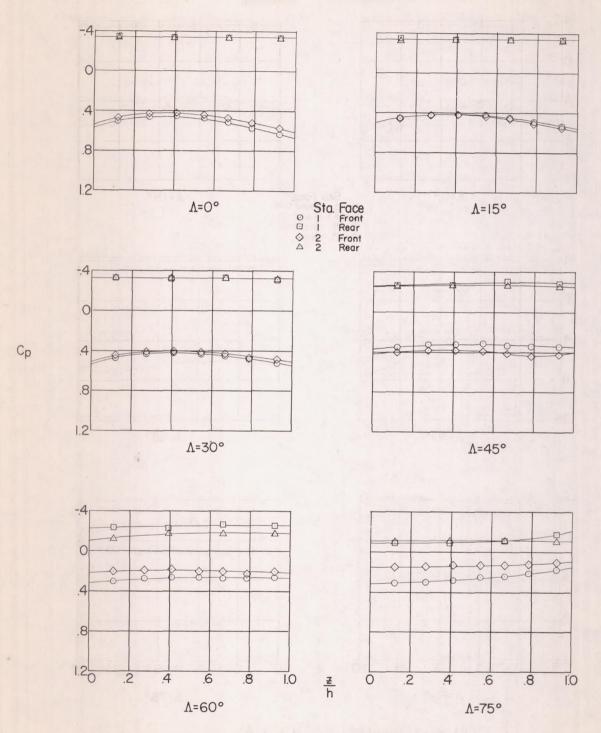


(e) Configuration 7, M = 1.61.

Figure 15.- Continued.

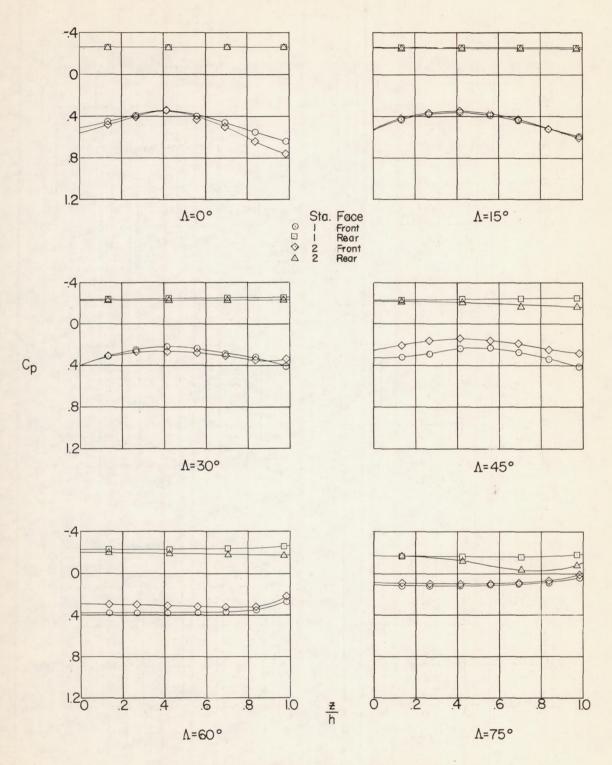


(f) Configuration 8, M = 1.61. Figure 15.- Continued.

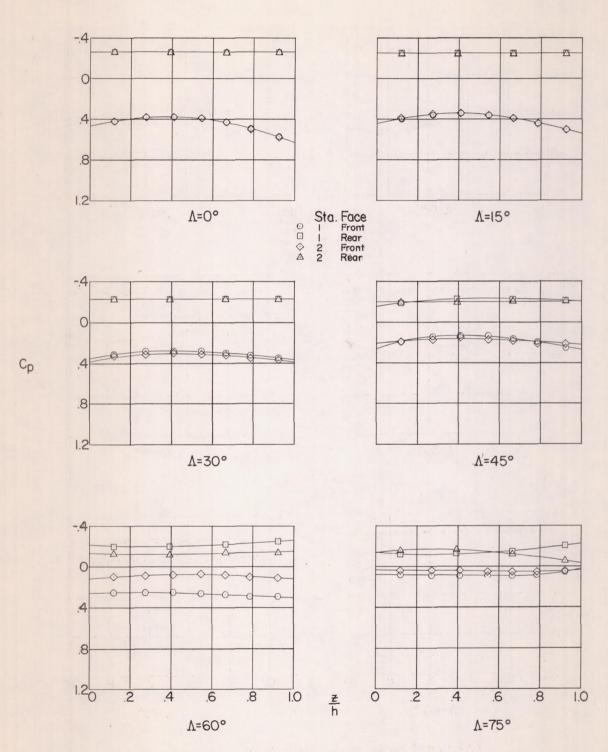


(g) Configuration 9, M = 1.61.

Figure 15. - Continued.

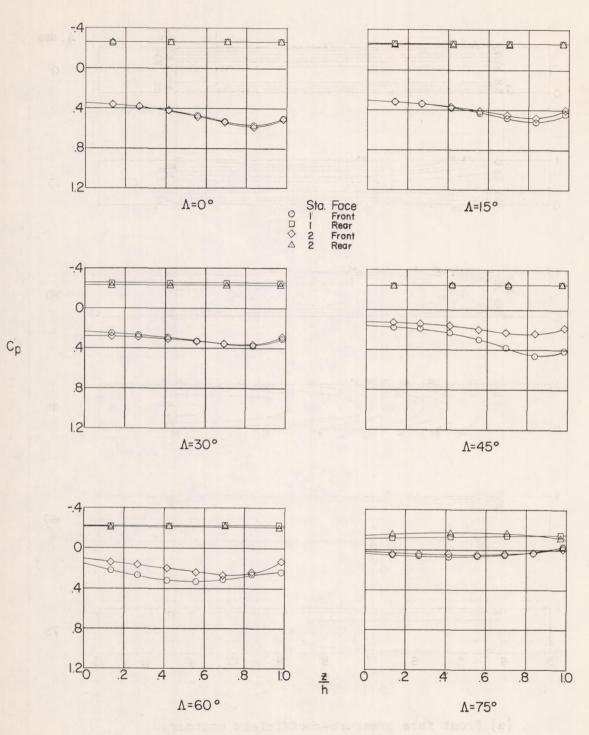


(h) Configuration 2, M = 2.01.
Figure 15.- Continued.



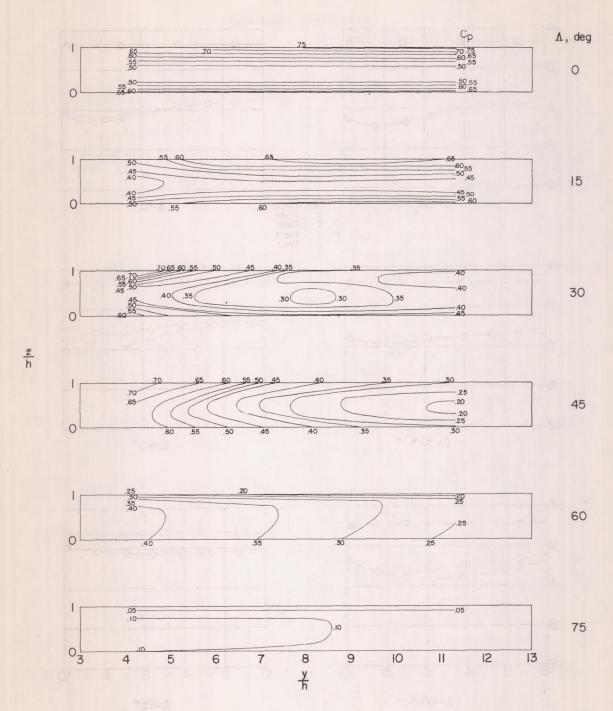
(i) Configuration 3, M = 2.01.

Figure 15.- Continued.



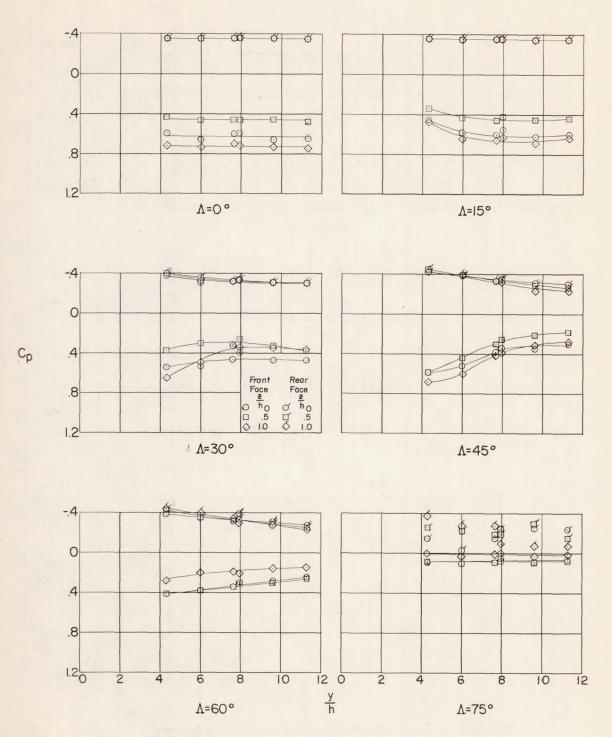
(j) Configuration 4, M = 2.01.

Figure 15.- Concluded.

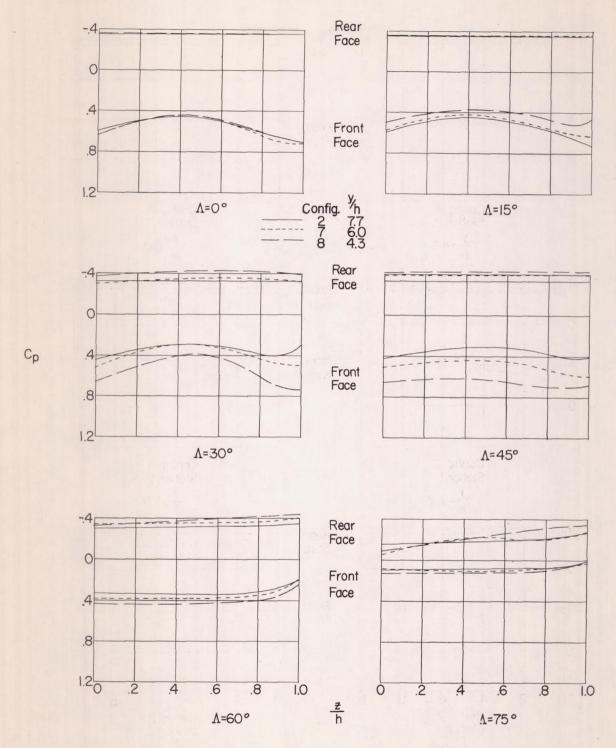


(a) Front face pressure-coefficient contours.

Figure 16.- Spanwise variations in pressures on spoiler faces. Configurations 2, 7, and 8; M = 1.61; $R = 0.30 \times 10^6$.

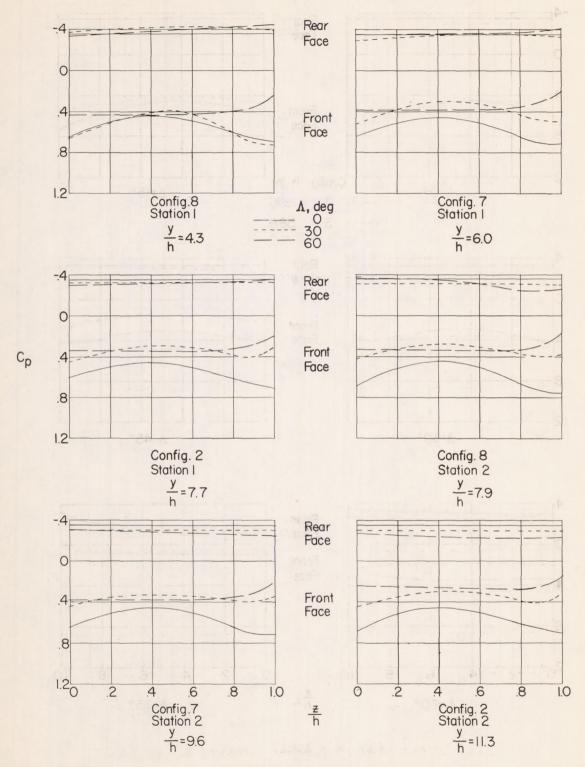


(b) Variations across span at constant z/h.
Figure 16.- Concluded.



(a) Effect of tip cutoffs. Station 1.

Figure 17.- Comparison of spoiler-face pressure distributions showing spanwise effects. M = 1.61; $R = 0.30 \times 10^6$.



(b) Effect of y/h.

Figure 17.- Concluded.

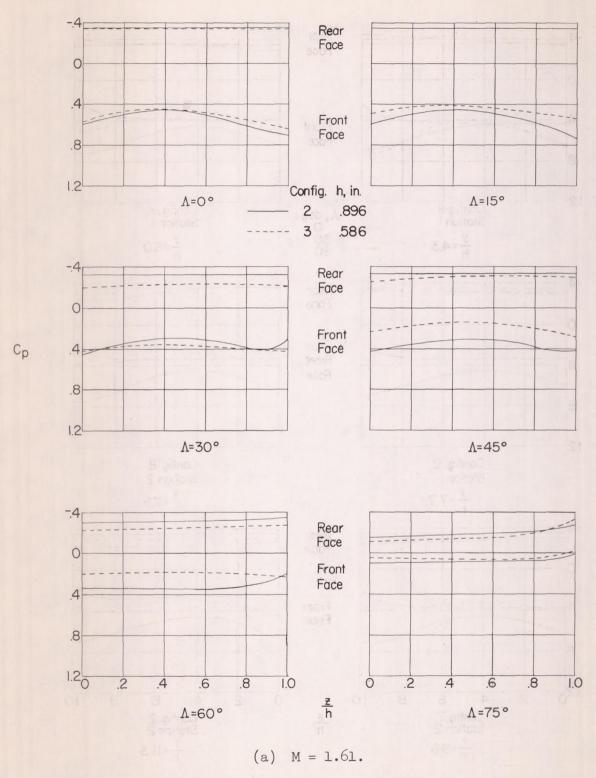
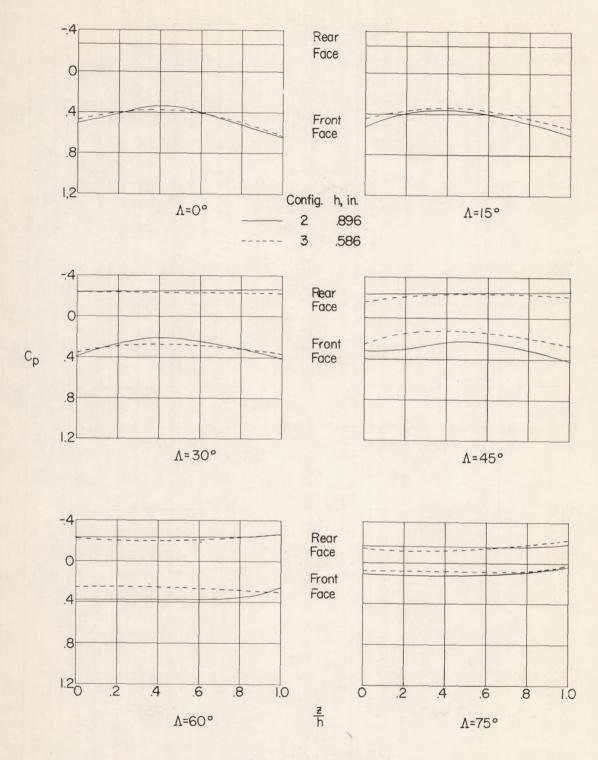


Figure 18.- Comparison of spoiler-face pressure distribution showing effect of spoiler height. Station 1. $R = 0.30 \times 10^6$.



(b) M = 2.01.

Figure 18. - Concluded.

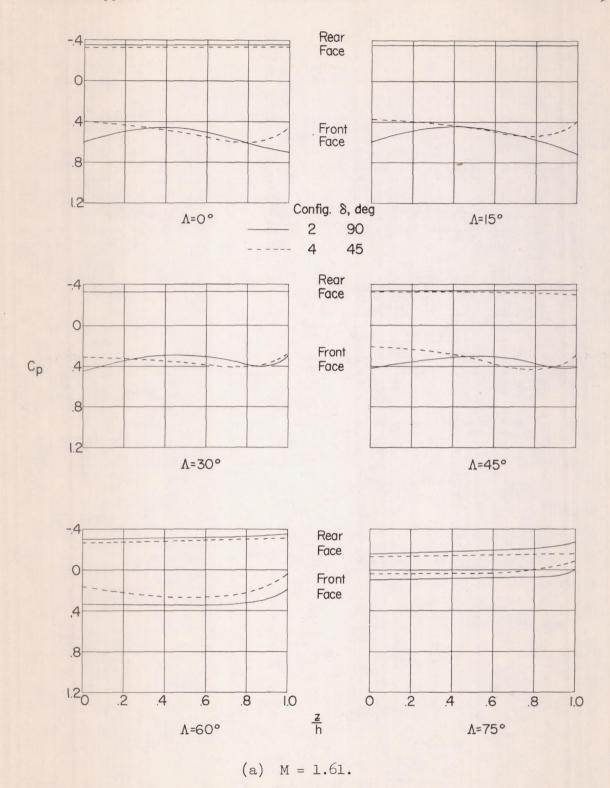


Figure 19.- Comparison of spoiler-face pressure distributions showing effect of spoiler deflection angle. Station 1. $R = 0.30 \times 10^6$.

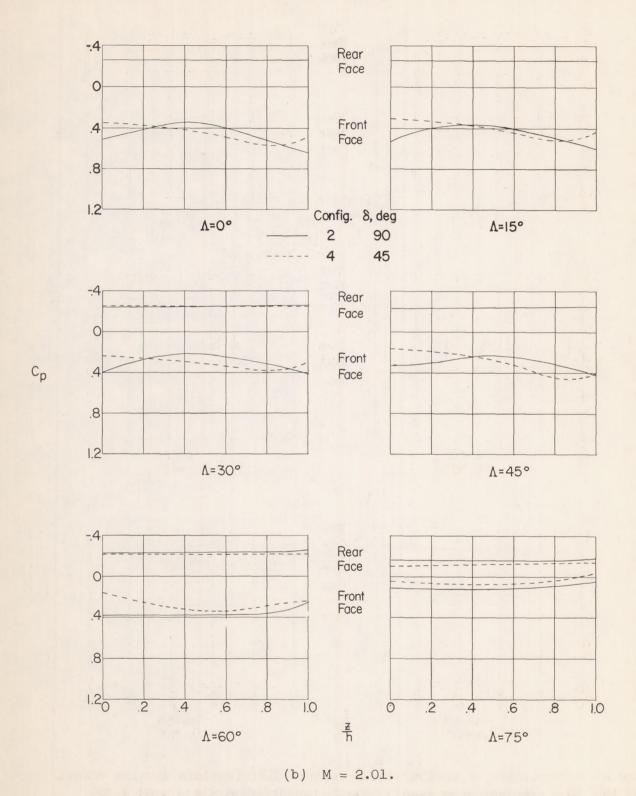


Figure 19. - Concluded.

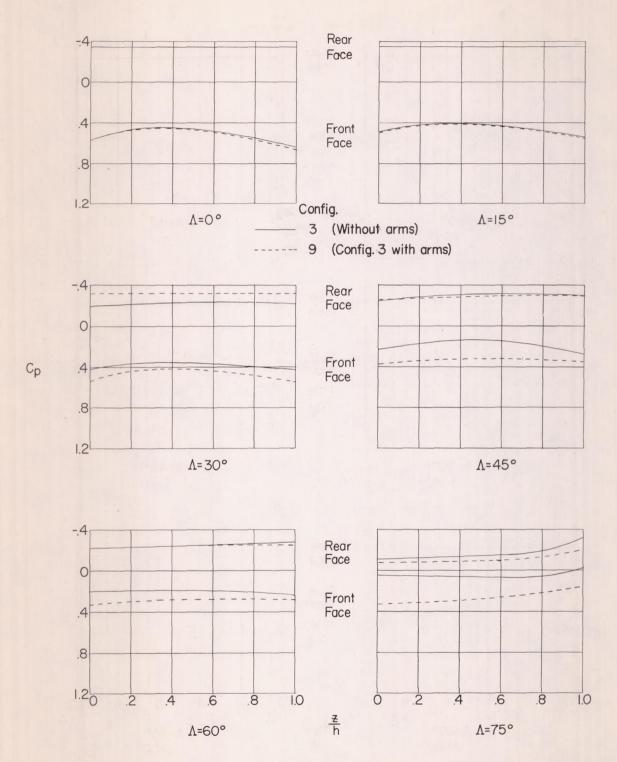


Figure 20.- Comparison of spoiler-face pressure distributions showing effect of the simulated actuator arms. Station 1. M = 1.61; $R = 0.30 \times 10^6$.

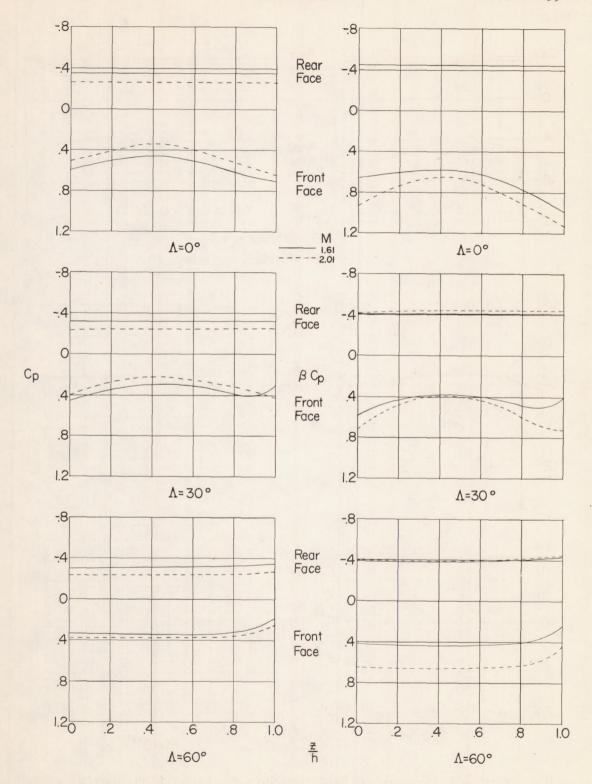


Figure 21.- Effect of Mach number on the spoiler-face pressure distributions for configuration 2 and correlation of same with β relationship. Station 1. R = 0.30 \times 10⁶.

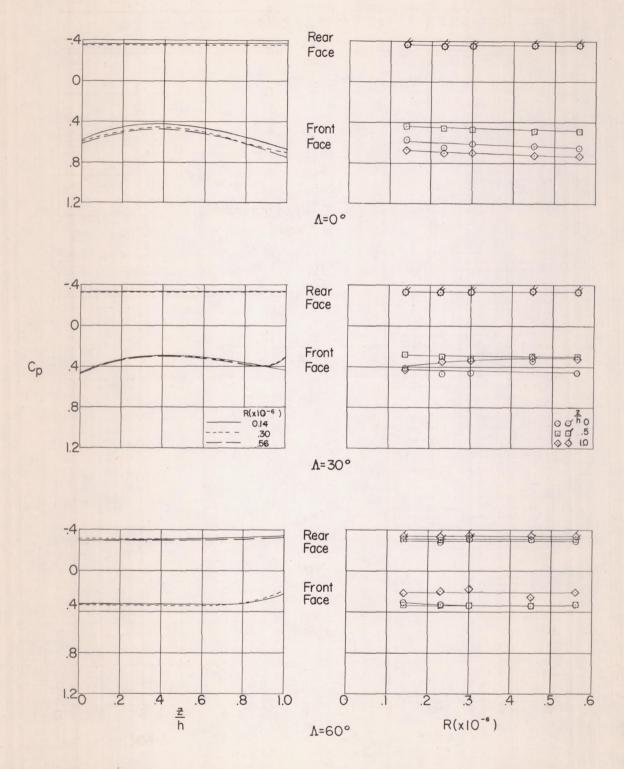
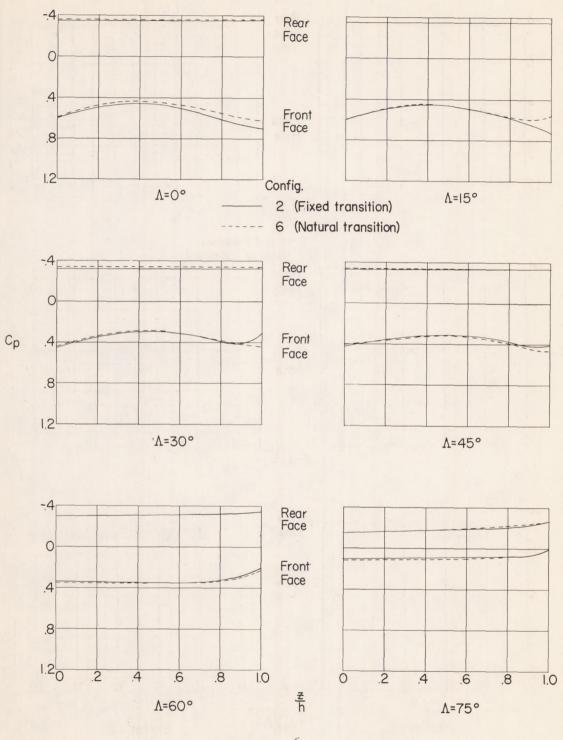
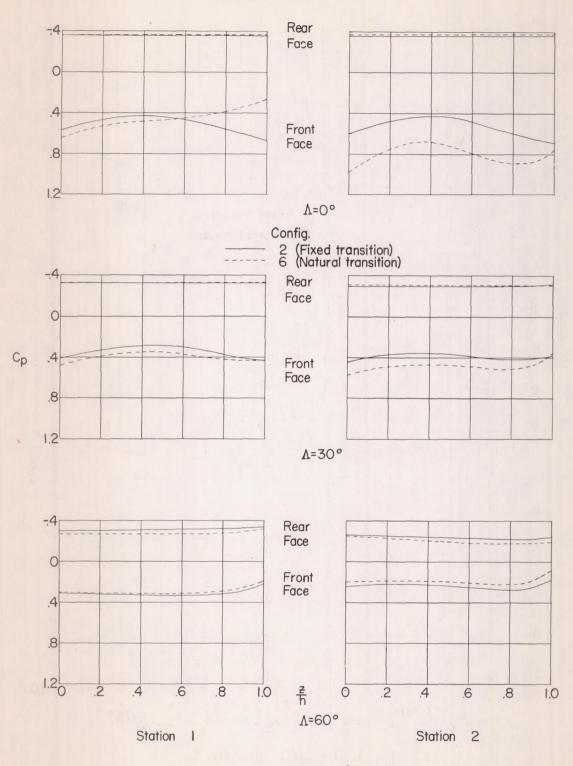


Figure 22.- Effect of Reynolds number on spoiler-face pressure distributions for configuration 2. Station 1. M = 1.61.



(a) $R = 0.30 \times 10^6$. Station 1.

Figure 23.- Effect of fixing transition on spoiler-face pressure distributions. M = 1.61.



(b) $R = 0.14 \times 10^6$.

Figure 23. - Concluded.

Config.

O 2 (No endplate)

□ 5 (With endplate)

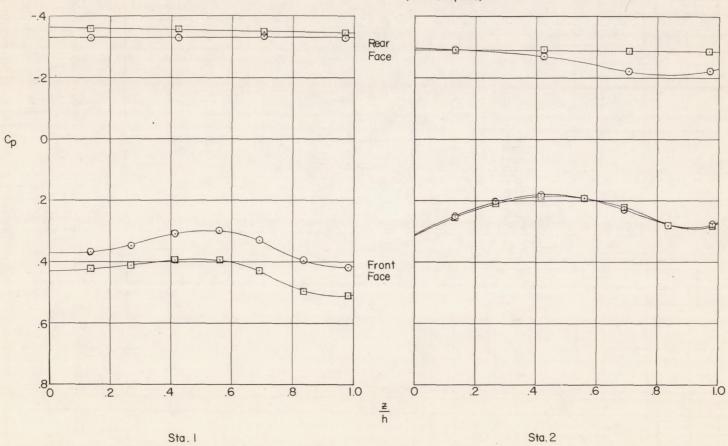
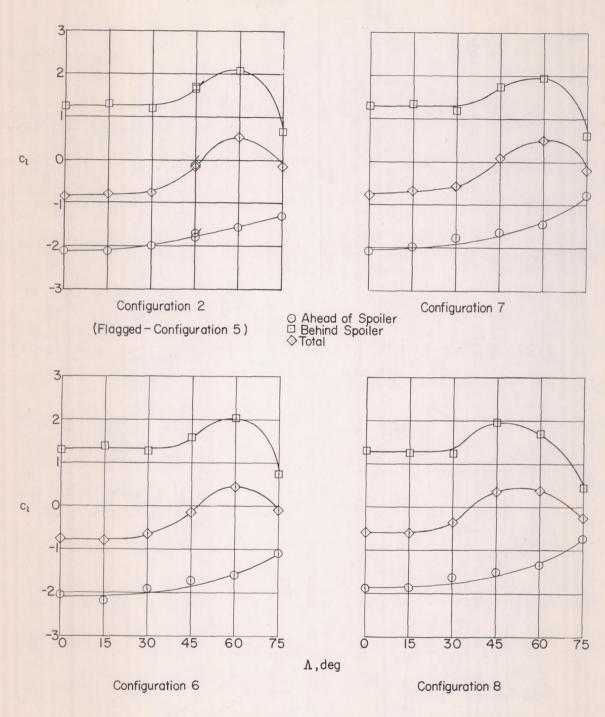
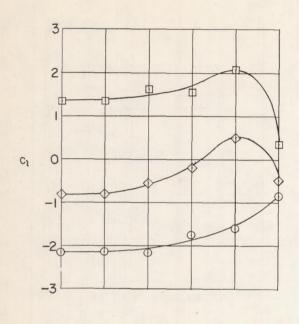


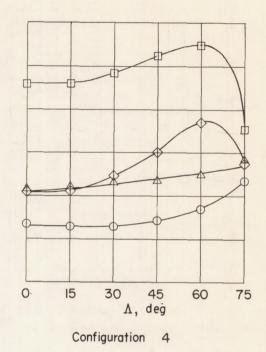
Figure 24.- Effect of endplate on spoiler-face pressure distributions. M = 1.61; $R = 0.30 \times 10^6$; $\Lambda = 45^\circ$.

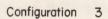


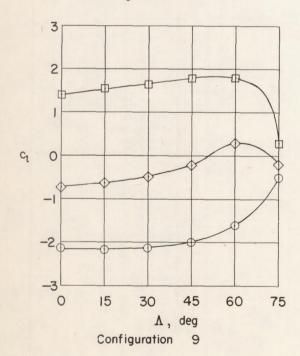
(a) M = 1.61.

Figure 25.- Basic section lift-coefficient variations with sweep angle. $R = 0.30 \times 10^6$.









O Ahead of spoiler

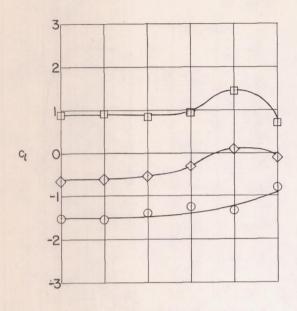
□ Behind spoiler

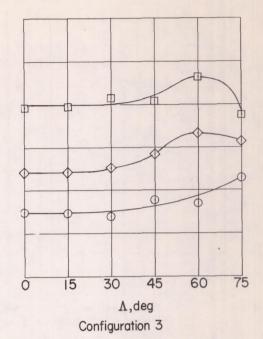
△ Spoiler (configuration 4 only)

Total

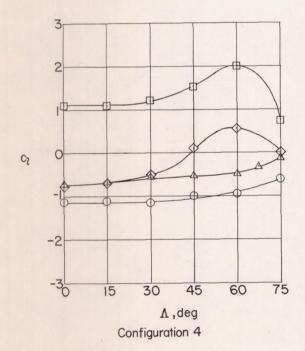
(b) M = 1.61.

Figure 25.- Continued.





Configuration 2



(c)
$$M = 2.01$$
.

Figure 25.- Concluded.

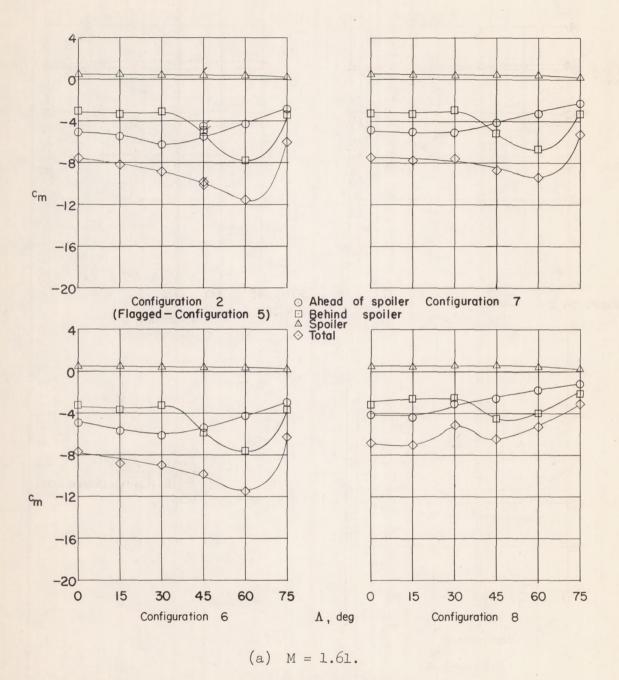
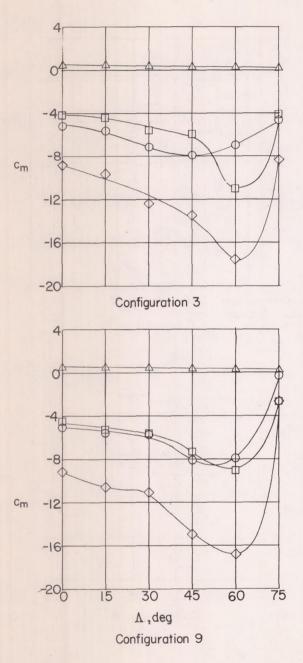
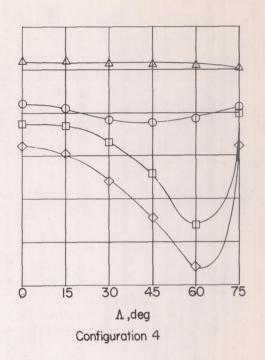


Figure 26.- Basic section pitching-moment-coefficient variations with sweep angle. $R = 0.30 \times 10^6$.

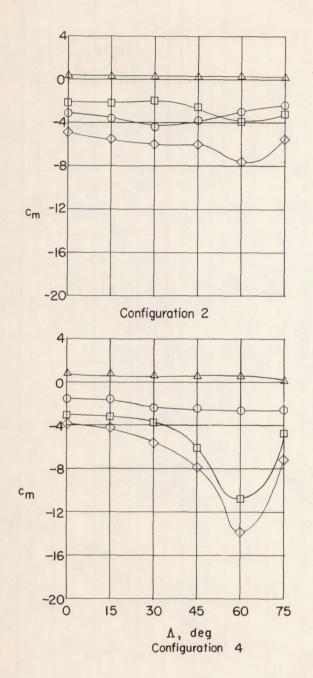


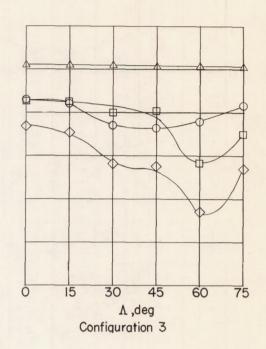


○ Ahead of spoiler
 □ Behind spoiler
 △ Spoiler
 ○ Total

(b) M = 1.61.

Figure 26.- Continued.

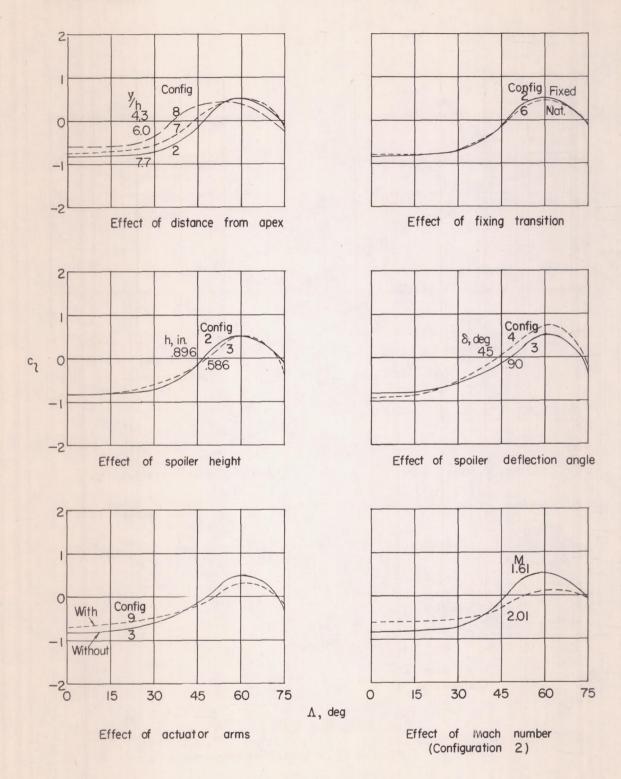




- Ahead of spoiler
 □ Behind spoiler
 △ Spoiler
 ◇ Total

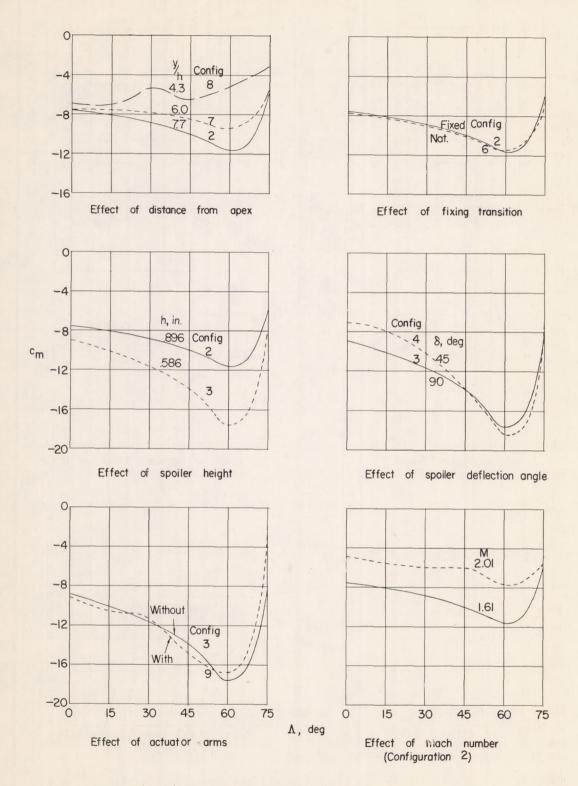
(c) M = 2.01.

Figure 26. - Concluded.



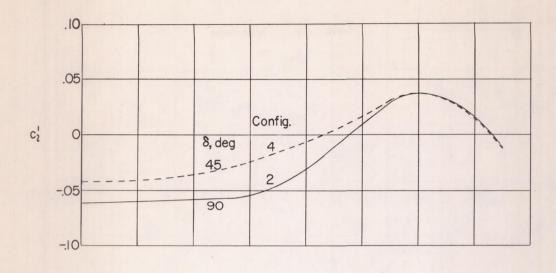
(a) Lift coefficient.

Figure 27.- Effect of various configuration and Mach number changes on the total lift- and pitching-moment-coefficient variations. $R = 0.30 \times 10^6$; M = 1.61 except as noted.



(b) Pitching-moment coefficient.

Figure 27.- Concluded.



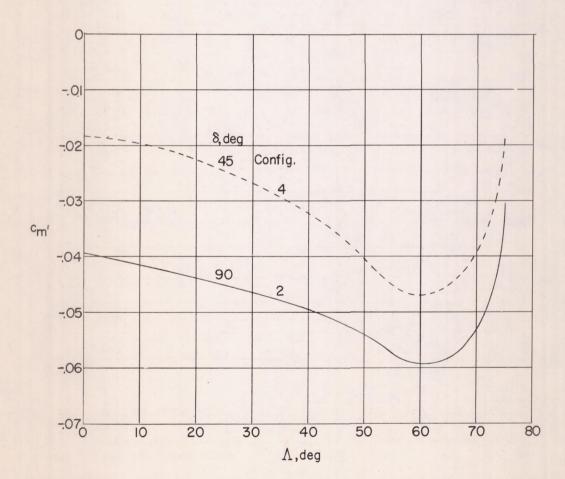
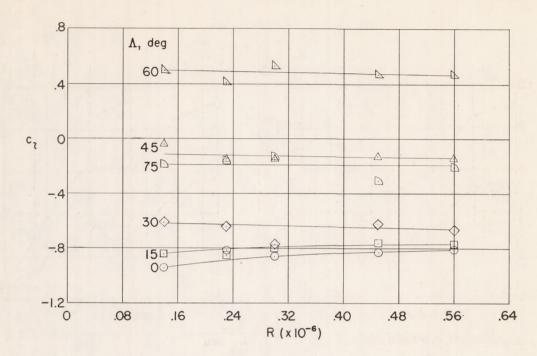


Figure 28.- Effect of spoiler deflection angle on total lift- and pitching-moment-coefficient variations with sweep angle for a hypothetical flat-plate wing. M = 1.61; $R = 0.30 \times 10^6$.



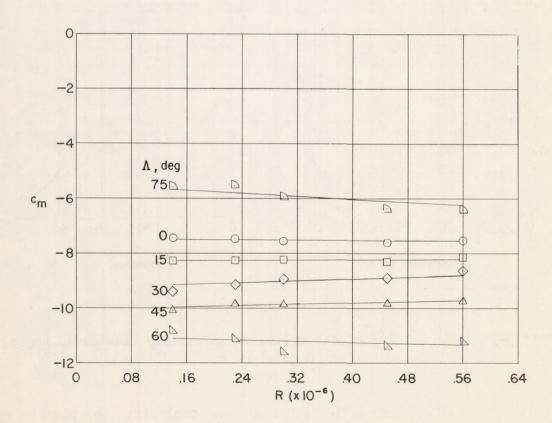
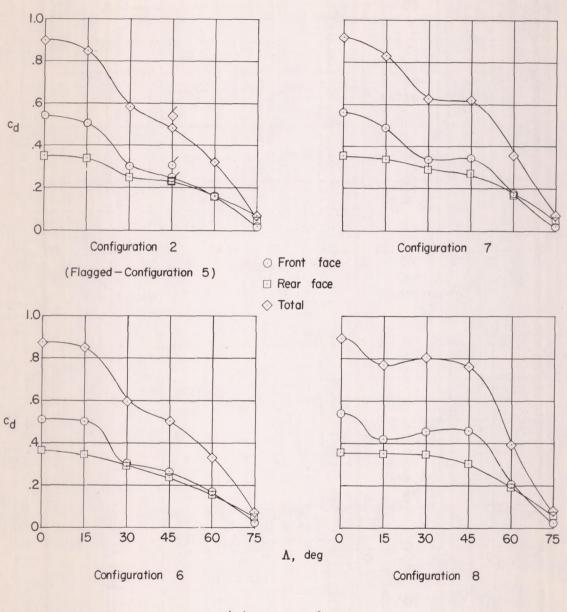
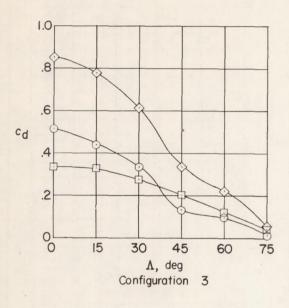


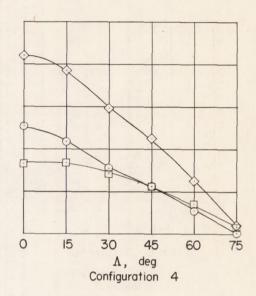
Figure 29.- Effect of Reynolds number on total lift- and pitching-moment coefficients for configuration 2. M = 1.61.

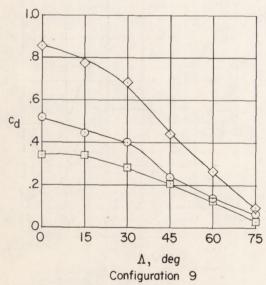


(a) M = 1.61.

Figure 30.- Basic section drag-coefficient variations with sweep angle. $R = 0.30 \times 10^6$.



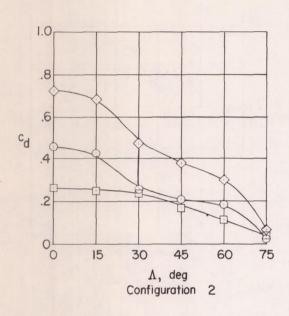


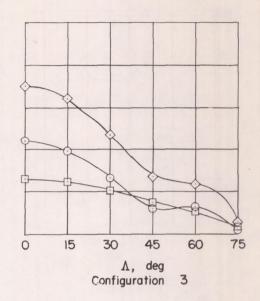


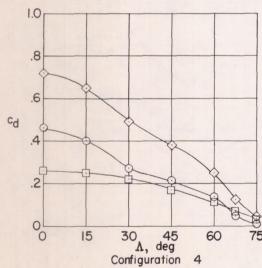
- Front face
- □ Rear face
- ♦ Total

(b) M = 1.61.

Figure 30.- Continued.







- Front face
- ☐ Rear face
- ♦ Total

(c) M = 2.01.

Figure 30. - Concluded.

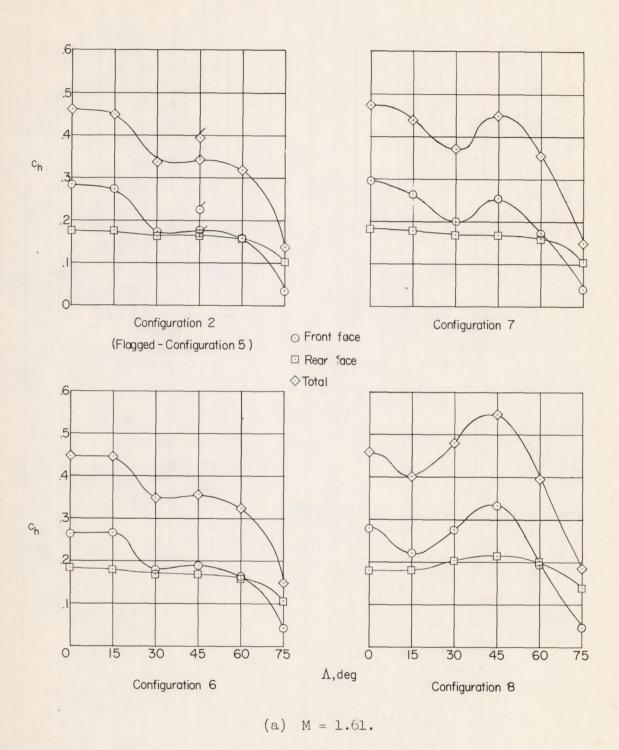
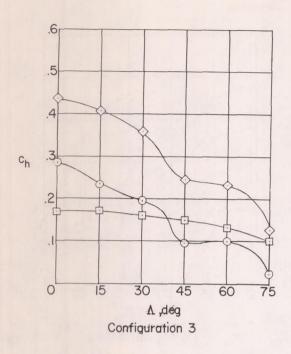
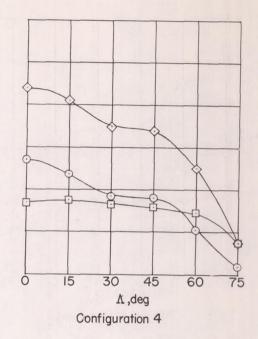
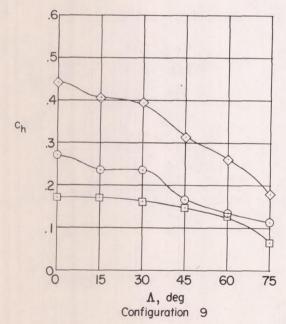


Figure 31.- Basic section hinge-moment-coefficient variations with sweep angle. $R = 0.30 \times 10^6$.



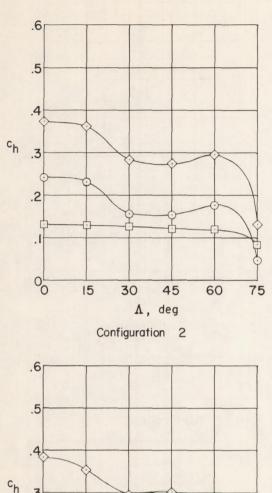


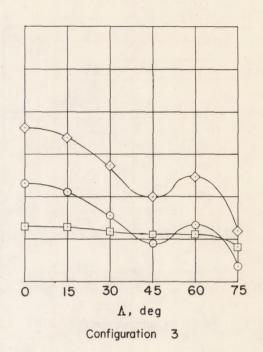


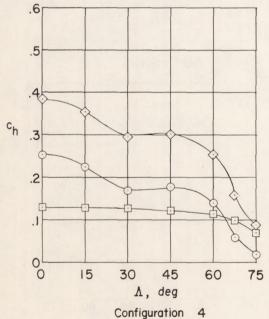
- \odot Front face
- □ Rear face
- ♦ Total

(b) M = 1.61.

Figure 31. - Continued.



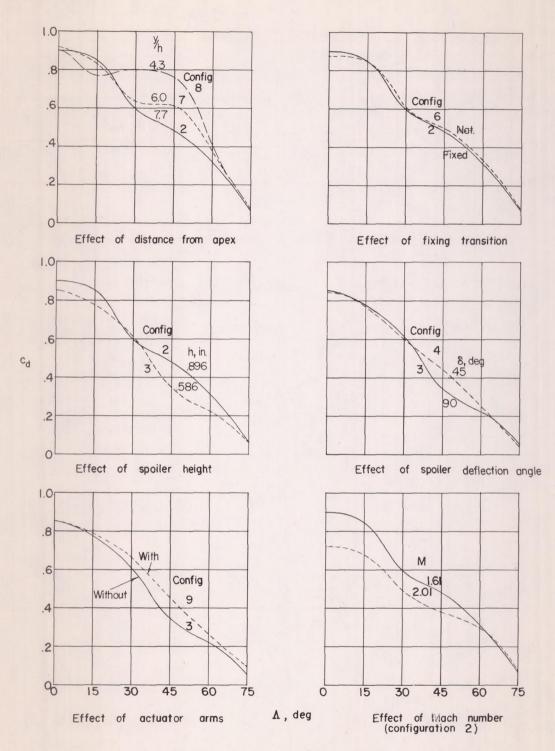




- Front face
- ☐ Rear face
- ♦ Total

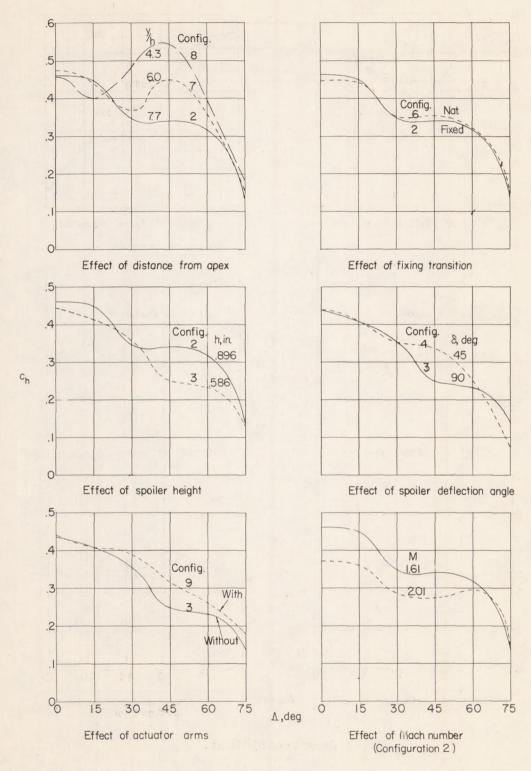
(c) M = 2.01.

Figure 31.- Concluded.



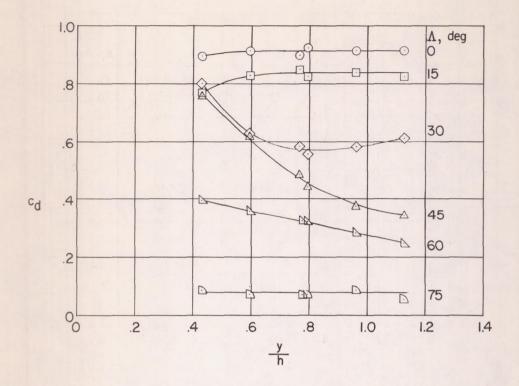
(a) Drag coefficient.

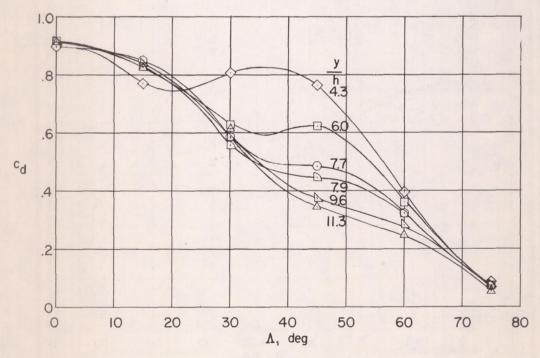
Figure 32.- Effect of various configuration and Mach number changes on total drag- and hinge-moment-coefficient variations. $R = 0.30 \times 10^6$. M = 1.61 except as noted.



(b) Hinge-moment coefficient.

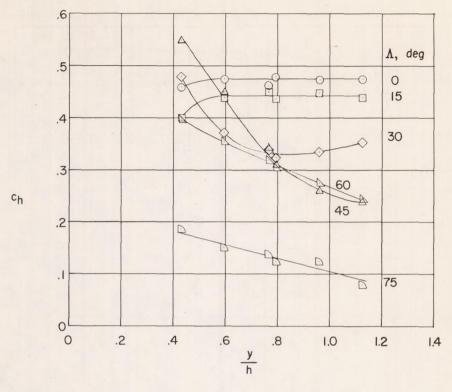
Figure 32. - Concluded.

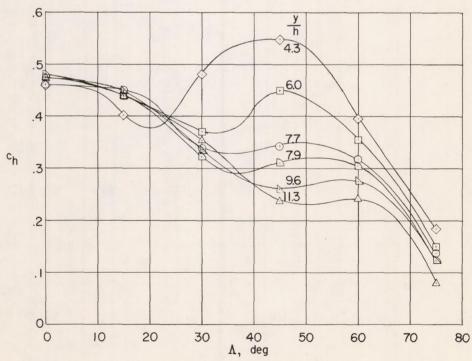




(a) Drag coefficient.

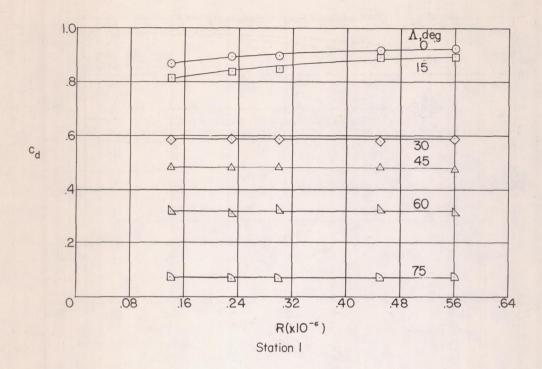
Figure 33. - Spanwise variations in total drag and hinge-moment coefficients. Configurations 2, 7, and 8; M = 1.61; $R = 0.30 \times 10^6$.

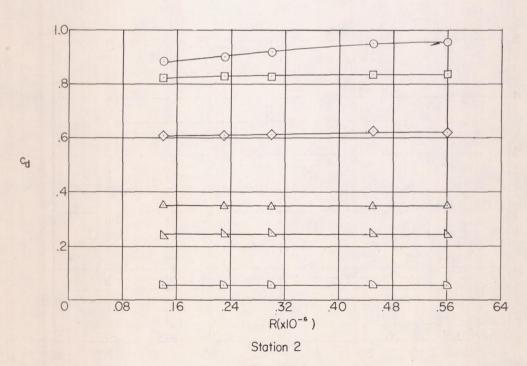




(b) Hinge-moment coefficient.

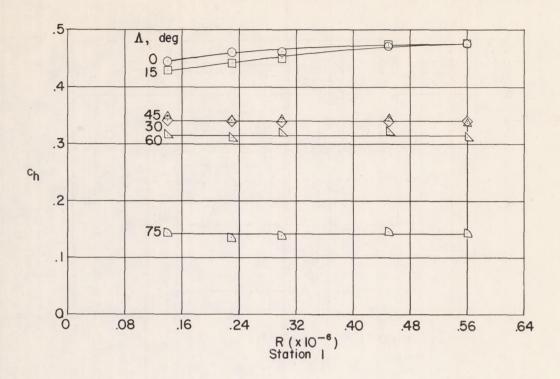
Figure 33. - Concluded.

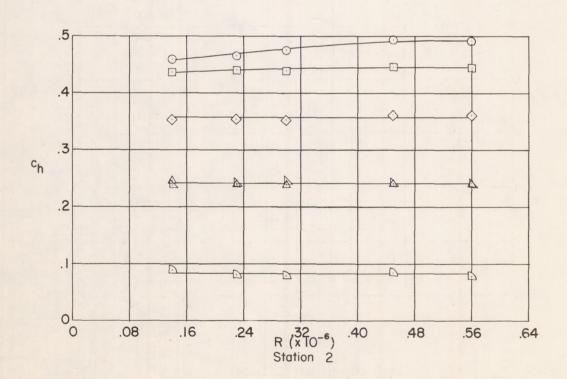




(a) Drag coefficient.

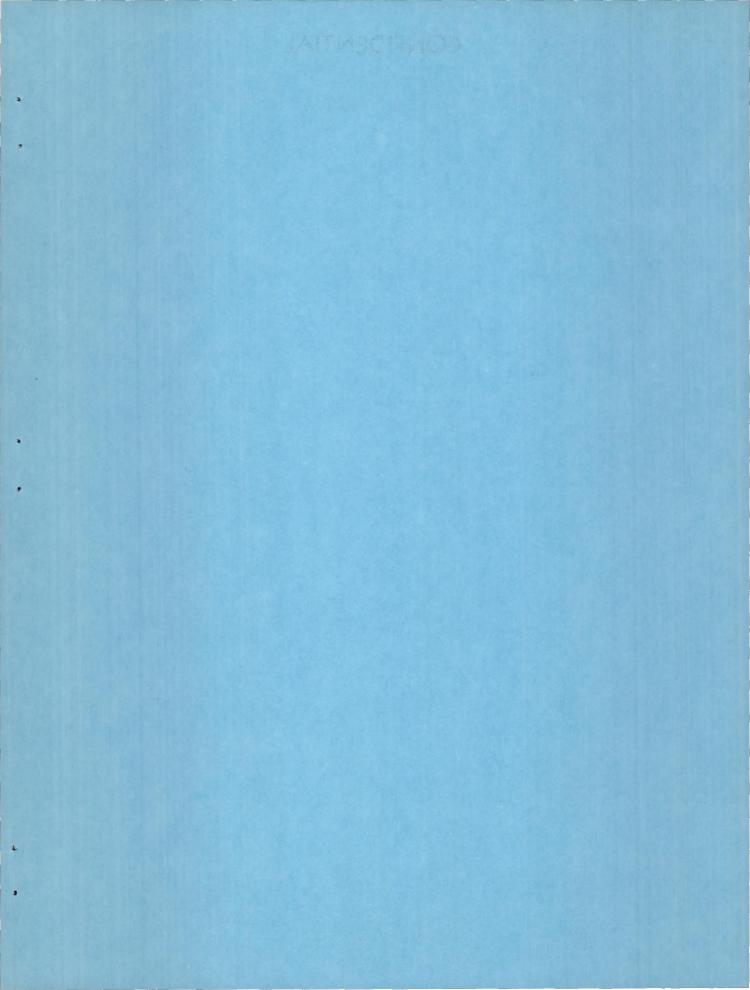
Figure 34.- Effect of Reynolds number on total drag and hinge-moment coefficients for configuration 2. M = 1.61.





(b) Hinge-moment coefficient.

Figure 34. - Concluded.



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